

VHF-UHF DIGEST

the official publication of the Worldwide TV-FM DX Association

DECEMBER 1979



SEASON'S GREETINGS

From The Staff:

WTFDA Headquarters, P.O. Box 97, Calumet City, IL 60409

P2 PEAK ACTIVITY ARRIVES... There's now little doubt that we are at, or very close to, the peak activity of Sunspot Cycle 21—the resulting DX during the first part of November has been fantastic. A few North American DXers with converters (or foreign TV receivers) have already viewed video from the British Isles, continental Europe, Africa, and even the Soviet Union in almost daily openings. For a good example of what one very technically competent DXer has already achieved, see Jerry Pollice's report on page 28. P2 MUFs across the Atlantic have been high enough to permit at least one British amateur radio operator to see signs of North American video, and transAtlantic CCI has been seen by some DXers in the U.S. on ch A2. The entire 50-54 MHz amateur radio band (6 meters) has been open across the continent and into Europe on several November days. It promises to be a very interesting winter for TV DXers!

CONVENTION BID(S)?...Only one bid has been received as of late November for the 1980 WTFDA Convention site. If no further bids came in by the end of November, we'll announce that site in the January VUD.

PHOTO OFFER... If you attended the 1979 WTFDA Convention and would like a copy of the group photo that appeared in the October VUD, send a self-addressed envelope to Tom Yingling, 221 Pinewood Road, Baltimore MD 21222. The photo in the VUD had to be reprinted from a color negative original, and as a result, didn't reproduce too well.

THE LATEST NEWS?...Our apologies for the VUD's lateness in November, which was caused by a delay at our printer. In case we're a bit late this month, there are several reasons—most bothersome of which may prove to be the holiday mail rush. We should be back to normal soon.

BITS... If you're in the market for a good new shortwave receiver, don't miss WTFDA NEWSWIRE editor Morrie Goldman's article in the November-December Elementary Electronics...

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MAILBOX

John Zondlo
1802 N. Rockwell
Apt. 107
Bethany, OK 73008
Deadline: 10th

PLEASE NOTE the new address above. More info in Tidbits.....

New Members:

John Comstock
George Gallacher
Raymond O'Connor
Colbert Robbins, Jr.
Arthur Schaefer
John Sullivan
Peter Weeks
Jim Wixon, Sr.

P.O. Box 105
701 N. Ogden Place
Box 480000
304 Swaim St.
2514 Wedemeyer St.
1504 Niessen Road
95 Burnside Drive
2733 Vermillion St.

Westville, IN 46391
Ossian, IN 46777
Los Angeles, CA 90048
Randleman, NC 27317
Sheboygan, WI 53081
Oreland, PA 19075
Toronto, ON M6G 2W9
Lake Station, IN 46405

Renewals:

B.W. Battin, Leo Boehl, Mike Brewer, Vernon Eaton, Robert Grant, John Jefferson, Michael Koronka, Lee Prescott, Eric Schwarz, Tanio Sugihara, Michael Sweeney.

Address Changes:

James Brown, Jr.-203 Yoakum Parkway, Apt. 1824-Alexandria, VA 22304
Joseph Longmoore-679 Eugenie St. E.-Windsor, ON N8X 2Y3
John Zondlo-1802 N. Rockwell, Apt. 107-Bethany, OK 73008

Renewals Due in January:

Roger Carriere, Randall Clark, Lawrence Crane, Johnny Davis, Ray Fraser, Mark Harms, Ed Houchins, Carlton Howington, William Leal, Rod Luoma, W.R. McIntosh, Bruce Metzner, David Nelson, L. Donald Richard, David Rogers, Jack Sheldon, Paul Traska, Morgan Williams, George Ziegler.

To say JOHN COMSTOCK keeps himself busy would be an understatement. John is an English and social studies teacher at Westville Correctional Center, and was formerly an engineer at channels 4 and 13 in Indianapolis. He is a ham, with call letters W9DTG and K9KFL, and belongs to the LaPorte (IN) Amateur Radio Club. John's DX interests cover UHF and VHF TV, PSB, BOB, and 2m ham. His shack features the following: RCA KCS-93 b&w TV, RMS CRS 880 UHF converter, RCA CTC-12A color TV, 2 Blonder-Tongue UHF converters, CW-2000 Winegard antenna with AC-223 preamp at 30', Channel Master 7' dish with AC-423 preamp at 40', Bearcat 210 and Winegard 3 band antenna at 25', Fisher FM-90X tuner, Fada 790B, Hallcrafters SX-62A, Kenwood TS-700A with Mirage preamp, Kenwood TS-700SP with Mirage preamp, 4 element Cushcraft beam at 30', and stacked 11 element Cushcrafts at 65'. Not bad, eh? More from John in Tidbits.

Another Hoosier joining us this month is truck driver GEORGE GALLACHER. George is into TV and FM DXing, and has CB call KIN-1130. His DX gear includes a Marantz 2500 (top of their line in 1977), Archer 6 element triple drive antenna, a Radio Shack 8db gain FM & TV antenna amplifier, and a Quasar 7" B&W TV.

Repairman COLBERT ROBBINS, JR., joins us from the Tarheel State. He's into all the bands WTFDA covers. Equipment in his shack includes a GE Monitor 10", STA 80, STA 78, and a JFD VU180 TV antenna.

And finally, from the Dairy State, we have ARTHUR SCHAEFER. He's just getting started in the hobby, and is interested in TV DXing.

Tidbits.....

What's Zondlo doing in Oklahoma, you ask? Actually, I've been wondering the same thing. As many of you know, I left my last employer (WJOB Hammond IN) because I felt the Lord was leading me back into Christian broadcasting. Through a series of miracles I've wound up as program director of KJIL 104.9 here in Bethany (Oklahoma City). KJIL is owned by Swaggart Broadcasting Company, a division of the Jimmy Swaggart Evangelistic Association. The format is primarily MoR Christian music, with a few preaching tapes. I'm still trying to get settled in my apartment, with papers strewn all around. Don't know why the Lord led me here, but can't wait to see what happens! What does this mean to WTFDA HQ? Well, it has necessitated a few changes. 3

Distribution manager Mike Hogan will now handle the routine information requests received at HQ (he's in charge of the Cal City P.O. box), while I'll handle the rest. I'll still take care of the membership files, and will type the address labels for the VUD and send out renewal cards. Mike will also coordinate the publishing sessions with our fine helpers Roger Winsor and Steve and Bob Shaffer. Mike will handle special printing jobs, such as Beyond Shortwave and QSL report forms. Publisher Peter Oprisko will still deal with the printer on the VUD and occasionally clear out the Whiting P.O. box. Pete's duties have been severely reduced in recent months. I'll continue to do the Mailbox column. Other than that, things remain pretty much status quo at HQ. As always, your comments on the operation of WTFDA are much appreciated. If you'd like to edit a column, drop a line to editor-in-chief Bill Thompson, and he'll notify you when a vacancy occurs in the editorial staff. Remember- without you there's no WTFDA!

Perhaps you can offer some suggestions to new member John Comstock (address on page 3). He writes, "I need to update my color set in my living room. The wife is no longer happy with the 1962 RCA CTC-12A console set. It requires too many repairs. In the way of large screen RCA's and Sony's, what would you recommend? I prefer to buy a used set, but do not know which ones are best for DXers. All of my information is on old sets."

We also have a request for help this month from Bruce Hammond (1509 Marshall #407, Liberty, TX 77575): "I have an FM receiver manufactured by the Advent Corporation, the model 300, with the typical 39% dipole antenna. I had less than favorable results with the B-I-C Beam Box top of the line antenna. I live about 50 miles east and slightly north of Houston. The main station I listen to there is KLEF, around 94 on the dial. But the most frequent problems are: (1) Engine noise from passing cars, (2) Static from non-shielded motors in nearby apartments (11 apartments in all, like hair-dryers and shavers), (3) Noise from dialing my phone and switching my lights off (only "off", not "on"), not on all stations, usually below 94 or on weak stations, and (4) Noise from some engine idling nearby (I think a fork lift from a Coca Cola warehouse across the street). Though my apartment complex is small, I am not allowed an antenna. Cable here is inferior to proprietary antennae, from the people I have talked to, and excludes FM. Can you help me?"

Next we have some encouraging words from Rickey Stein (456 Barrymore Place, North Brunswick, NJ 08902): "I have just received a warm and friendly reply from Enrique Leon of Pinar del Rio, Cuba. I wrote him in response to your note in the August Mailbox column in the hope that we could arrange something for him. There is a good possibility that we can make an arrangement whereby he can have a membership in WTFDA, but I will let you know as that develops. Permit me to translate a bit of what Enrique has written- "I am happy that there is a possibility to fulfill my desires to be able to bring me in contact with colleagues who might possibly help me. My interest is in VHF, antennas, and RF amps, as well as other information which will help me DX TV." He also writes, "I would like to ask if there is anyone interested in postage stamps- because I would like to obtain some sport magazines (Sports Illustrated) and perhaps an exchange can be made." I'm trying to find out what can be done as far as shipping to Cuba. I have several friends in Union City NJ (a large Cuban center here near NYC) and am trying to learn the procedure and restrictions. I know that Enrique would like to hear from other members. I don't know what the extent of his English is since we corresponded in Spanish, but I would happily extend my services to any member who wishes to write as far as translating, etc. My letter to Cuba was received in less than one week as determined by the date of his letter. His letter to me, however, although mailed about September 10, was not received here until October 15, so members should anticipate the delay, for whatever the reason." Many thanks to Rickey for his efforts- they are most commendable. Enrique's address is in the August Mailbox column. As you may recall, he has a problem joining the club because political differences between the U.S. and Cuba pose problems in exchanging currency between the two countries. Any help you can offer Rickey and Enrique is much appreciated.

Remember Jim Ayers' project to tape station IDs? Well, he reports that he's finished a tape of FM IDs received in Jackson MS. The 99 stations taped are available on cassette for \$1.50 or 50¢ if you send a C50-cassette. Either price covers all expenses. Almost every ID includes the location, and a detailed list of contents is included with the tape. For info, write Jim at 2847 Woodside Drive, Jackson, MS 39212. Jim is still looking for help on his project, so drop him a line if you're interested.

New Canadian member Peter Weeks shares a few words with us: "I am particularly interested in FM, as received from fixed and also car radios. Regarding the latter, I have been experimenting with some simple filters to eliminate interference from powerful local stations from the famed $\frac{1}{2}$ -mile high CN Tower in order to receive 2 Buffalo stations (about 70 miles away), one of them a 105kw classical music station, WNED 94.5, and also one that is NPR plus having a lot of jazz, i.e., WBFO at 88.7 MHz, with a present power output of only 770 watts. The latter is due for an increase to 21,400 watts as of December 1st. I have had fair success with complete elimination of interference for WBFO, and a pretty good suppression in the case of WNED, which comes in most of the time in stereo. I am also interested in experimenting with an elaborate indoor antenna for UHF in order to receive channel 17, WNED-TV from Buffalo. I am willing to submit DXing reports, including one from Collingwood, Ontario, whose high location affords startling distance reception on FM."

There's more going on with the OETA, as Dave Rogers reports: "As I mentioned in the October Mailbox column, there was a problem bringing the signal to Buffalo (OK), i.e., the Buffalo translator was trying to pick up KWBT, Channel 12, Cheyenne, OK, up direct and there was an existing translator in Gage, OK, on Channel 12 which interfered. Well, apparently the Gage translator has moved to another frequency, probably channel 13. This solved the interference problem from them and so the Buffalo translator is on the air on Channel 58, rebroadcasting KWBT. However, depending on conditions, there is some snow on the picture, leaving the quality still something to be desired, although it is watchable. I think they leave their carrier on all night, because I've noticed after KWBT's s/off sometimes I pick up KTVH, Channel 12, Hutchinson, Kansas. I might mention that apparently none of the four OETA (OETA = Oklahoma Educational Television Authority) stations ID individually. Usually on the hour a slide is shown with a picture of Will Rogers listing the four principal stations, KETA-13 Oklahoma City, KOED-11 Tulsa, KOBT-3 Bufala, and KWBT-12 Cheyenne. Also, apparently KETA really originates all the programming, as their phone number and mailing address is the one given at s/off. Sometimes I think an engineer shows an old slide that just lists 11 and 13. S/off is at 2300 OLT after a listing of the 4 stations, their locations, transmitter sites, power, etc., and then "High Flight". They list their microwave links and UHF translators at Idabel and Hugo, but they don't mention any for northwest Oklahoma, so it must be somewhat out of date." Haven't seen the old 11 and 13 slide or the pic of Will Rogers yet, but then I've only been here a week. Not really impressed with OETA so far, truthfully.

Now here's some comments from Motor City member Robert Grant: "I have found out how strong 1000 mile TV can be. On my 12" Sears B&W portable with nothing more than the built-in monopole antenna, I was able to pull in KENS-5, KKAS-5, XHRI0-2 TMX, CBHPT1-3 NS, CBHT-3 NS, and several unIDs. On rabbit ears I was often able to override WJBK-2 and WDIV-4. Saw WBRZ-2, WKRG-5 AL, KTAL-6 LA, WEDU-3 FL, WUPT-5 FL, KOTA-3 SD, KRGV-5 TX, and at least 10 unID stations that were surely not of the list above. Took a small VHF outdoor antenna to my vacation hide-a-way 30 miles WSW of Traverse City, along with my 12" Sears portable. Skip was in almost all the time. Saw WBRZ-2 LA, WDIQ-2 AL, KWGN-2 CO, KTVQ-2 MT, WESH-2 FL, WEDU-3 FL, WJXT-4 FL, WSB-2 GA, WGBD-2 SC, WEAR-3 FL, and unIDs, including one on channel 6 that IDed on the hour as "canal sase"- and it wasn't the Cuban net canal 6. All evidence points to YSLA San Salvador! Also, I think I have record for shortest E-skip catch, WJBK-2 MI came in by Es at 1725 EDT 8/24/79. Could it be possible that the WJBK signal bounced off the E layer, to the ocean, and bounced back the same way it came (a double-hop of 210 miles!)? (Would defy the laws of physics if it did. Likely not an Es catch, but rather tropo or extended groundwave-jz) The 1979 tropo season was great, too. Here in Detroit, Paul Gaines DXed WFAA-8 TX on 9/10! I got KRIN-32 IA, WKOW-27 WI, and other 300+ milers with a single loop! As for VHF tropo, with a monopole, WISN-12, WITI-6, WTMJ-4, and KPLR-11! I never thought I'd get KRIN-32 or KPLR-11. And I thought WBRZ-28 was just a fluke. Also, I got W67AJ Ann Arbor and W64AK Conneaut, with a single loop."

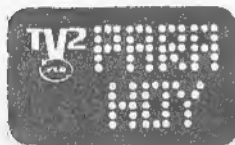
Finally, this in from Michael Koronka: "The VUD is great. Keep up the good work. My DXing has been quite poor this summer. Very few good openings. Seems when there was a good opening I had to work. I have two jobs, one at a TV repair shop and the other as an engineer at an AM radio station- so I am quite busy."

Remember the new address...see y'all next month.....73.....jz

From Ing. Elia Yuriria Chavarria L. of Mexico's Canal 13 net (via John Combs), comes a list of the whole net. One word. Some locations are the xmr sites and mountain names.

XHIR Cerro Tuxpan, Iguala, Gro	ch	2	1 kw	2.3 kw	ERP
XHFA Nogales, Son		2	0.5	0.874	
XHIT C de Velardena, Chih		4	2	20	
XHJCH C de los Gallos, Agu		4	1	14.3	
XHAO C Tzontehuitz, Chis		4	25	100	
XHAF C La Batea, Tepic, Nay		4	0.15	0.399	
XHGE C Entre Hermanos, Camp		5	10	36	
XHMI Puebla, Pue		6	2	3.59	
XHDB Fracc. de los Remedios, Dgo		7	10	36	
XHXP C Nevado de Colima, Col		9	10	40	
XHTQ C el Cimatario, Gro		9	5	47.4	
XHIE Acapulco, Gro		10	10	82	
XHTH C la Campana Hermosillo, Son		10	0.5	1.5	
XHDD C de los Caballos, SLP		11	10	40	
XHDM Merida, Yuc		11	10	80	
XHBE C Agua Dulce, Coatzacoalcos, Ver		11	10	125	
XHDG C del Fortin, Oax		11	10	65	
XHTAS C Culiacan, Gto		12	25	207	
XHGT C de Tepozan, Gto		12	0.1	0.6	
XHIG C Palma Sola, Oax		12	10	125	
XHDF Mexico City DF, C. Chiquibuite		13	50	312	
XHIC Cofre Perote, Ver		13	18	100	
XHJAL C de Santa Fe, Jal		13	18	167	
XHCUR C Tres Cumbres, Mor		13	1	9	
XHBL Culiacan, Sin		13	0.5	8.2	

El Salvador skeds are for the commercial stations 2, 4, 6...



11:55 Identificación
12:00 Festival de Cartones
12:15 El Inspector Aydlia
-COLOR
12:45 Max, Patón de 2000 Años
-COLOR
1:15 Teleprensa de El Salvador
1:30 Telenovela "Cartas para una Víctima" -COLOR
2:30 Largo Metrajes del Dos,
Presenta:
"Rosenda"
Con: Fernando Soler,
Rita Macedo y
Rodolfo Acosta
"El Cazador" -COLOR
Con: Peter Graves,
Clint Walker
y Jo Ann Pflug
6:00 La Hormiga Atómica -COLOR
6:30 Los Picapiedra -COLOR
7:00 Biografía
"Gral. Pershing"
7:30 Hoy en la Historia -COLOR
7:35 Criada Bien Criada -COLOR
8:00 Show de Eduardo II -COLOR
8:30 Telenovela "Amor Prohibido"
-COLOR
9:30 Hoy en la Historia -COLOR
9:35 Archivo Confidencial -COLOR
10:30 Reportajes Destin
10:45 Telenovela
"Los Dedos de la Mano"
-COLOR

canal Dos...
entretenimiento permanente

HOY

12:15 Identificación
12:30 Pinocho (Color)
1:00 Angeles del Espacio
(Color)
1:30 Tres Patos (Color)
2:00 Mr. Magoo (Color)
2:05 Clero
3:15 Identificación
3:30 Entre Amigos
Presenta:
"El Hombre Araña" (Color)
"Agendas del Espacio"
(Color)
8:30 Mafalda (Color)
8:35 Guerra Entre Planetas
(Color)
7:30 Cantinflas (Color)
7:35 Raquel
8:00 Mafalda (Color)
8:05 La Familia (Color)
8:05 Gato Deportivo (Color)
8:05 La Camisola de Ambrosio
(Color)
9:30 Rosenda (Color)
10:30 Telediaro Salvadoreño
10:45 Super Hombres Tele 4
Presenta:
"La Sonámbula"
Con: Darleem Carr y
Robert Beatty

9:30 ESTELARES PRESENTA:
"ZIEGFELD,
EL HOMBRE Y SUS
MUJERES" (COLOR)

4:00 COLORIX (COLOR)
5:00 LOS CUÁTRIO
FANTÁSTICOS
5:30 VALLE DE PASIONES
(COLOR)
6:30 MUNDO IMPOSSIBLE
(COLOR)
7:25 LA CANCIÓN DE
LA SEMANA (COLOR)
7:30 ALTA TENSION (COLOR)
Con: Felipe Aragón
8:30 LOS TIGRES
VOLADORES (COLOR)
9:30 ESTELARES PRESENTA:
"ZIEGFELD,
EL HOMBRE Y SUS
MUJERES" (COLOR)
10:30 LAS CALLES DE
SAN FRANCISCO
(COLOR)
CERRA

FVC CON LA MAGIA DEL COLOR

IN SEARCH OF PSB

Donald L. Blevins
1715 Earhart Road
Baltimore, MD 21221
phone # 301-574-2714

IN SEARCH OF PSB....This month's issue will feature a much coveted frequency and station list for the California Highway Patrol. This information comes from Mr. Gene Simpson of Pleasanton, California and the Bay Area Scanners Club. Mr. Bill Phillipson of Cupertino also contributed a very informative list containing the color/frequency combinations, but the list contained herewith has duplicated this information. Bill has submitted numerous lists that have appeared in "IN SEARCH OF PSB". It is the efforts of many fine people as Bill Phillipson that have made this feature a success.

CALIFORNIA HIGHWAY PATROL MOBILE SYSTEM RADIO FREQUENCIES

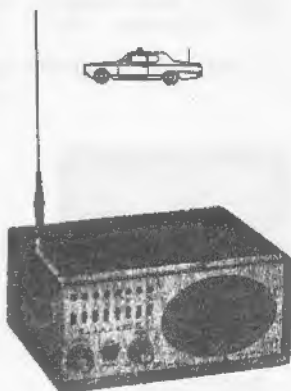
<u>AREA & CALL PREFIX</u>	<u>COLOR</u>	<u>BASE</u>	<u>MOBILE</u>
<u>ZONE I</u>			
Alturas 60	Blue	42.34	42.18
Carberville 105	Green	42.54	42.24
Crescent City 95	Green	42.54	42.24
Humboldt 16	Green	42.54	42.24
Lakeport 7	White	42.56	42.72
Mt. Shasta 52	Blue	42.34	42.18
Quincy 20	Blue	42.34	42.18
Red Bluff 36	Red	42.44	42.28
Redding 37	Red	42.44	42.28
Susanville 38	Blue	42.34	42.18
Trinity River 90	Red	42.44	42.28
Ukiah 18	White	42.56	42.72
Williams 39	Brown	42.50	42.82
Willows 93	Brown	42.50	42.82
Yreka 41	Blue	42.34	42.18

<u>ZONE II</u>			
Auburn 45	Green	42.54	42.24
Chico 104	Brown	42.50	42.82
Gold Run 70	Green	42.54	42.24
Grass Valley 42	Green	42.54	42.24
Jackson 94	White	42.56	42.72
Lake Valley 13	Red	42.44	42.28
Modesto 48	Blue	42.34	42.18
Oroville 35	Brown	42.50	42.82
Placerville 44	Green	42.54	42.24
Sacramento 46	Gold	42.12	42.20
San Andreas 49	White	42.56	42.72
Stockton 62	White	42.56	42.72
Tracy 103	Blue	42.34	42.18
Truckee 80	Red	42.44	42.28
Woodland 47	Green	42.54	42.24
Yuba-Sutter 43	Brown	42.50	42.82

<u>ZONE III</u>			
Contra Costa 19	Purple	42.40	42.16
Hayward 25	Gold	42.12	42.20
Marin G. G. Br. 34	Silver	42.08	42.28
Napa 21	Purple	42.40	42.16
Oakland 96	Gold	42.12	42.20
Redwood City 91	Silver	42.08	42.28
San Francisco 32	Pink	42.44	42.76
San Jose 24	Brown	42.50	42.82
Santa Rosa 17	Orange	42.88	42.66
Vallejo 22	Purple	42.40	42.16



CHiPs



<u>ZONE IV</u>	<u>COLOR</u>	<u>BASE</u>	<u>MOBILE</u>	*****
Bakersfield 69	Blue	42.34	42.18	* A. L. Wilson
Coalinga 88	Pink	42.44	42.76	* rt. 1 Box 272-D reports:
Fresno 65	Silver	42.08	42.28	* Harlem, GA
Hanford 68	Pink	42.44	42.76	*
Los Banos 30	Orange	42.88	42.66	* Georgia Department
Madera 66	Orange	42.88	42.66	* of 47.30
Mariposa 63	Orange	42.88	42.66	* Transportation
Merced 64	Orange	42.88	42.66	* Highway Maint Division
Porterville 40	Pink	42.44	42.76	*
Sonora 61	White	42.56	42.72	* KAV 427 Appling
Visalia 67	Pink	42.44	42.76	* KIL 852 Tennille
				* KWM 776 Luisville
<u>ZONE V</u>				* KTE 353 Milledgeville
Baldwin Park 81	Orange	42.88	42.66	* KTE 462 Midville
Central L. A. 15	Black	45.02	44.86	* KSZ 368 Madison
East L. A. 82	Gold	42.12	42.20	* KIV 863 Swainsboro
Glendale 98	Brown	42.50	42.82	* KIL 918 Atlanta/Forest
Newhall 78	Silver	42.08	42.28	* Park(The Bona)
Santa Fe Springs 83	Gold	42.12	42.20	*
South L. A. 77	White	42.56	42.72	* "We have 115 mobile
Tejon 102	Silver	42.08	42.28	* units in this district
West L. A. 79	Pink	42.44	42.76	* All of which use state
Malibu 109	Pink	42.44	42.76	* assigned calls start-
West Valley 56	Brown	42.50	42.82	* ing with 2, since we
				* are district 2(of 7).
<u>ZONE VI</u>				*
Banning 97	Green	42.54	42.24	* D.O.T. Engineering
Blythe 6	Red	42.44	42.28	* &
El Centro 85	Blue	42.34	42.18	* Test Labs use:151.085
Indio 76	Red	42.44	42.28	*
Oceanside 92	Blue	42.34	42.18	* KSZ 368 Madison
San Diego 87	Gold	42.12	42.20	* KIL 852 Tennille
Santa Ana 86	Purple	42.40	42.16	* WIK 759 Augusta
Westminster 55	Purple	42.40	42.16	*****
<u>ZONE VII</u>				*
Buellton 3	White	42.56	42.72	* Bill Staubs
Hollister-Gilroy 23	Green	42.54	42.24	* Pasadena, MD reports:
King City 8	Green	42.54	42.24	*
Monterey 27	Green	42.54	42.24	* 44.40 Cobb-Tyler
Paso Robles 9	White	42.56	42.72	* (Browning-Ferris
San Luis Obispo 28	White	42.56	42.72	* Industries)
Santa Barbara 29	Green	42.54	42.24	* Trash Trucks in the
Santa Cruz 26	Green	42.54	42.24	* Baltimore Area
Santa Maria 14	White	42.56	42.72	* "We never refuse refuse!"
Ventura 31	Purple	42.40	42.16	*****
<u>ZONE VIII</u>				*
Arrowhead 101	Green	42.54	42.24	* Tom Yingling
Bridgeport 71	Blue	42.34	42.18	* 221 Pinewood Road
Barstow 73	White	42.56	42.72	* Baltimore, MD
Bishop 72	Blue	42.34	42.18	* reports:
Lancaster 89	Silver	42.08	42.28	*
Mojave 59	White	42.56	42.72	* Mobility Bus Service
Ontario 84	Orange	42.88	42.66	* Baltimore use 44.46 mhz
Riverside 74	Green	42.54	42.24	*
Twentynine Palms 106	White	42.56	42.72	*
Victorville 12	White	42.56	42.72	*

FM NEWS

Bruce F. Elving, Ph.D., Editor
Box 251-KSC
Kearney NE 68847

New FM Stations Granted

AK Haines *102.3 3000 h.v.; -1220' Lynn Canal
AZ Prescott 103.9 3000 h.v.; 300'; country music
AR Morrilton 101.7 3000 h.v.; 280'
CA Crescent City 94.3 3000 h.v.; -275'; fm
CA Hoopa *91.9 250 h.v.; -1560'
CA Mountain Pass 95.5 2290'; 1710'; m
CA Yermo 98.1 1000'; 2330'; m
CO Montrose 96.1 85000'; 1680'; rk
GA Marietta *102.5 18 h.v.; 155'; S. Tech. Institute
GA Toccoa Falls *90.9 100000'; 330' Falls College
HI Lihue 93.5 110 h.v.; 1580'; rock (Com. Cal.)
IA Council Bluffs *89.7 100000 h.v.; 1070' W. IA /
KY Bowling Green *88.9 90000 h.v.; 720' W Ky U.
LA New Roads 106.3 3000 h.v.; 300'; rock
MI Beaverton 97.7 3000 h.v.; 265'
MT Butte 95.5 50000 h.v.; 1780'
NM Grants 95.3 3000 h.v.; 215'; k
NY Woodstock 100.1 3000 h.v.; 290'
OK Frederick 95.3 3000'; 250'; m
OR Prineville 95.3 3000 h.v.; -98'; mh
SC Greenville *91.5 4000'; 64'; Furman U.
TX Alamo 104.9 3000 h.v.; 260'; gospel music
TX Richardson *88.1 10 St. Luke's Ed. Fund
TX Rust 97.7 1400'; 420'; k
VA Highland Springs *91.1 3000'; 100'
VA Lorton *88.1 10; Ethnic Broadcasting
WV Mount Hope 105.9 50000 h.v.; 500'; kr
WY Glendo K280AX 103.9 \$ km [KERM 98.3
Torrington WY translator], A, 10-watts
WY Worland 95.9 1800 h.v.; 400'
PR Guayama *88.1 32000 h.v.; -430' Radial Crite
PO Val Morin 104.3 4 w; nr [CIME 99.5 relayed]

Deletions


AZ Prescott K280AM 103.9 turned off (S. m. P.)
OH Cincinnati WNSD *90.1 not heard - KRMF fm
either 95.3 or 99.3, its
own frequency - Marysville MO.

Facilities Changes Granted

AL Troy WTSU to *89.9 (from 90.1) 100000 h.v.;
560 feet above average terrain
AR Jacksonville KEZQ 100.3 100000 h.v. [195]
CA Fremont KOHL *89.3 10 w; FCC rescinds
earlier-announced grant for 100 w; -79 feet;
interference to *89.7 KJFC cited.
CA Redlands KCAL-FM 96.7 2100 h.v.; 380'
CA Turlock KBDQ *90.9 134 (h); 76 feet
CT Hartford WDRG-FM 92.9 19500 h.v. [810]
FL Daytona Beach WNLV 94.5 54000 h.v.; 340'
FL Fort Pierce WLQY 98.7 1330' (100000 h.v.)
FL Mount Dora WORJ 107.7 100000 h.v.; 780'
FL Panama City WGGC *90.7 28500 h.v.; 380'
GA Atlanta WCLK *91.9 2500 h.v.; 330'
GA Statesboro WMCD 100.1 3300' (3000 h.v.)
ID Pocatello KSNB 93.7 38000 h.v.; 105'
IL Chicago WLAK 93.9 4600 h.v.; 1530'
IL Peoria WCBU *88.9 25500 h.v.; 598'
IL Plano WSPY 107.1 1200 h.v.; 440'
IN Indianapolis WNAF 93.1 12500 h.v. 9800 w; 1020'
KS Dodge City KINF *91.9 2600 (h); 125'
LA Morgan City KFXV 96.7 1850 h.v.; 330'
LA New Orleans WBSN *89.1 250 h.v.; 75 feet
MD Williamsport WCRH *90.5 10000 h.v.; 880'
MA Hyannis WCOD 106.1 45000 h.v. [430]
NE O'Neill KBRX-FM to move to 102.9 from 92.7
NV Reno KUNR *88.7 20000 h.v.; -470'
NJ Ship Bottom WJRZ 100.1 changes city of
license to Manahawick NJ

NY New York WPIX-FM 101.9 5300 h.v. [1420]
WRVR 105.7 7600 h.v. 54000 (1220')
NC Greensboro WRQK 98.7 720' (100000 h.v.)
NC Sanford WFLA 105.5 1800'; 380' horizontal
OH Cleveland WMAJ 100.7 7900 h.v.; 1080'
WOAL 104.1 back to original power
of 7800 h.v.; 1080'

OH Kent WKSU *89.7 50000 h.v.; 380'
OR Sutherlin and Glide K267AB *89.3 (from
*91.9 as K220AA)
PA McKean WMDI 102.3 470 h.v.; 670'
TN Tullahoma WBGY-FM 93.3 100000 h.v.; 640'
TN Dallas KMGK 102.9 1290' (100000 h.v.)
UT Logan KUSU *91.5 15000 h.v.; 1140'

increase power, height, as well as some anti-disco sentiment); R. Zani, Huntington IN, 73 to all, and
thanks to the many who have extended wishes to me on this move from MN. 

VA Front Royal WIXV 95.3 3000 h.v.; 300'
WI Madison WORT *89.7 1300 h.v.; 940' [590]
WI Sparta WCOV-FM 97.1 43000 h.v. 21000 w; /
WY Lander KDLY 97.5 -420' (62000 h.v.)
BC Prince George CIOI to be on 101.3 (their
frequency was undecided); k, 3500 h.v.; -63'
BC Vancouver CJA2 to be on 92.1; 52000 h.v.;
directional; 2084 feet; jazz

Call Letters Assigned or Changed

AL Enterprise 96.9 WLHD (from WTRB-FM)
CA Fremont *91.5 KSJV
CA Lemoore 104.9 KQIO-FM
CA Los Angeles 93.9 KZLA-FM (KZLA)
CA Riverside *89.7 KSGN (KLLU)
CA Stockton 100.1 KFMH

FL Atlantic Beach 104.9 (to go to 104.5) WFFV
("W-Five"); (was WJWJ-FM)

FL Riviera Beach 94.3 WJWJ (WGNW)

FL Sarasota 102.5 WSRZ (WWSR)

GA Donalsonville 106.3 WGMK

IN Fort Wayne 97.3 WMEF (WMEF)

KS Baxter Springs 07.1 KBLT

MA Gardner *91.7 WWHC

MI Grand Rapids *88.9 WGNR

MS Laurel 100.3 WWSL (WWSL-FM)

MT Wolf Point 92.7 KYZZ

NE Chadron 97.5 KSKZ (SCA, too)

NE Hastings 93.5 KEZH (KJCS-FM); rm, Y

NM Farmington *88.9 KNMI

NY Saratoga Springs 102.3 WASH (WKAJ-FM)

OK Ada 96.7 KASX

PA Bradock 96.9 WFFM-FM (WFFM)

PA Pittston 100.9 WOZZ-FM (WMLP-FM)

PA Titusville 92.9 WPNT (KD KA-FM); m

TN Memphis *91.7 WMSM (WWSM)

WAS Spokane 93.7 KDRK (KXXR-FM)

WI Marshfield 106.5 WLJY (WDLB-FM)

WI Sun Prairie 92.1 WMAA (WYXE)

SCA (167 kHz) Activity

IN Fort Wayne WBSL *90.3 talking back
IN Lafayette WAZY-FM 96.5 t X
KS Topeka KDVV 100.3 music
MO Bellerly KFX 108.5 no SCA
MO Kansas City KYYZ 102.1 no SCA
NY Peekskill WRUD 100.7 no SCA
OH Bucyrus WBCQ 92.7 t X (warming tone)
PA Philadelphia WRTI *90.1 no SCA (was X)

Stereo or to go Stereo

AL Athens WZYP 104.3, now rock
IN Indianapolis WIAN *90.1
IA Des Moines KBWH 106.3
SD Aberdeen KOAA 94.9, r, on air, "KO-95."

Formats/Networks

DE Georgetown WSEA 93.5 tp (not rd), U (not
Mutual), IA Clarinda KOWI 106.3 k, Mutual
KS Hameetha KNZA 103.9 k UJS Maryville
KS Leavenworth KTRO 98.9 m KRDY-FM 103.1
MD Towson WCVT *89.7 p (not rd) U
MN Mounds KKWS 105.9 r, "106" U
MO Kansas City KJTR 96.5 Mutual
NE Superior KRPS-FM 103.9 U, m
NJ Blackwood WDBK *91.5 p "automated"
NJ Trenton WJH 101.5 m (from r); "horribly"
NY West Nyack WYIP-FM 106.3 (94 m)
ND Bismarck KODY 94.5 m; "OD-94"
ND Bismarck KODR 104.9 y
ND Minnetonka KIZZ 93.7 2-3 (net Z-94)
KJCB-FM 97.1 k

K261AH 100.1 m (moves downtown Minn.)

PA Hometown WRLE 106.3 r (from m)

PA Red Lion WGBS-FM 96.1 k (not rd)

SD Mitchell KORN 107.3, on air, rock; \$?

TN Jefferson City WBSB 99.3 gospel

TX Knoxville WBR-FM 103.5 tp, A, "Rock-104"

WI Shelbyville WTCV 102.9 k, "103."

WI Menomonee Falls WZMF 98.3 m (from pl)

Dual-City Identifications

LA Jansboro KTGC-FM 104.9 adds HDG LA

MO Bethany KAMN 95.5 Syndicates Albany MO

Non-Ders

MO St. Joseph KSFT 105.1 K-105
NE Lincoln KHAT 106.3 106-FM
NY Lake Success WTFM 103.5 T-103
NY New York WXLO 98.7 99-FM (not 99-X),

but says "WXLO" quite often; has tele-
metry SCA. Wants call change to WDR-FM,
but WDR-FM 105.1 opposes. This may be
the first year ever where an FM station is
denied hypothetical use of call letters with
its associated AM station, although it was
originally WDR-FM.

Still off the air

PA Johnstown WFMN 92.1; equipment said to
have been repossessed; still holds license.

Abbreviations

Music: c classical, d disco, e ethnic, g gospel,
j jazz, k country, m middle of the road (no rock),
p progressive rock, r rock; networks: A ABC-
FM (where ABC stands for American Broad-
casting Company); B National Black Network;
C Columbia Broadcasting System; E ABC En-
tertainment; I ABC Information; M Mutual; N
National Broadcasting Company; P National
Public Radio; S Associated Press Audio; U is
United Press Audio; Y ABC Contemporary; Z
Sheridan Broadcasting Network (formerly
Mutual Black Network).

* is stereo; i is SCA (87 kHz from main carrier;
an FM "subcarrier"); h is horizontal effective
radiated power expressed in watts (not kilowatts);
v is vertical effective radiated power in watts;
t is fast above average terrain.

Readers' Comments and other news

Because of time pressures, I am raising the
price of FM SuperSnoopers to \$36; SCA kits and
adapters remain \$13 and \$18 respectively. Bob
Zant gets good SCA from a new Pioneer TX-8800
tuner, using an external SCA adapter and the
tuner's back panel FM detector output jack. He
has not heard WEAZ's 88.3 Angola IN for quite
a while, and wonder if it is dead.

People in Osceola County Florida complain
of the poor AM reception from WHOO Orlando,
and wonder why the Gator games can't be put
on WHOO-FM, according to a clipping sent by
John Combs. Paul Petrosky's station in St. Ignace
MI was definitely applied for 102.9, newly-
authorized channel there, replacing 102.3, for
which there still is an application (WPOS).

From somewhere in Germany SSG Roesmelt
Crawford reports daily reception on 98.1 of
Stuttgart beside a local on 97.9 with FM IF band-
width set at narrow on a Sennai G22000.

CBC-FM 96.9 Charlottetown PEI is monaural,
says Larry Wail. The ten-watt WHCN *91.7 St.
Paul MN on air, rock, "fighting for channel with
KXKL St. Louis Park and MPR stations at Rush-
ford and Worthington-Marshall's, of Mpls.

Now on with 100 kw h & at over 800' from the
IDS tower in downtown Minneapolis are KQRS-
FM 92.5, WAFY 93.7, WLOL 99.5, KDWB-FM
101.3 and KEEY-FM 102.1, swamping reception
of most other stations in the immediate area,
according to articles sent by John Ebeling.

WYSR-FM 94.5 Syracuse NY to go to a Los
Angeles "Supersites" format (still mp). KOHL
*88.3 id's as "The Cool," with rock; Fremont
CA. WNNR 102.9 Syracuse is trying to get
support to create a translator in Kingston, Ont.

Contributors: Saul Chernow, Toronto, Ont.;
John F. Combs, Orlando FL; Tom Cornell, Koko-
mo IN; R. Crawford, APO New York; J. Ebeling,
Bloomington MN; Albert H. Ellis, Brentford, Ont.;
Mark Geymar, Bowling Green OH; Dick Gottschal-
der, Bismarck ND; Chris Kellogg, Coral Gables FL;
Joe Macgarrane, Altoona PA; Fred McGarrick,
Fargo ND; August J. Miller, Newark CA; Greg
Monti, Bayville NY; Fred Nordquist, Clay NY;
Henry O'Connell, Oswego NY; Andrew P. Smith,
Dillenburg PA; Larry Wall, Acton MA; Bill Wurzel,
New York NY (who sent along some fine poems,
and news of many NYC FM stations about to

NORTHERN FM-DX

Ralph Strobel, editor
2510 E. McGalliard Rd.
Muncie, Indiana 47303
(317) 288-5815
Deadline: the 10th

DECEMBER 1979

For FM DXers in Canada, the Northwest-Central states of WA OR ID MT WY ND SD NE MN IA MO and states east of the Mississippi River and north of the Mason-Dixon Line.

Frank Merrill - P. O. Box 7207 - Toledo, Ohio 43615

Equipment. Panasonic RF-1200 portable radio with whip antenna, prior to 7/28/79.
KLM-18 Tuner (1965, brought out of retirement) for DX 7/28 to 9/6/79.
Kenwood KT-8300 Tuner for DX 9/21 to 9/27/79.
McIntosh MR-78 Tuner for October 1979 DX.
Channel Master 9-element yagi at 25 ft. w/rotor used for DX 7/28/79 to now.

6/1 Es 1244 KYKK 94.1 TX Amarillo, partial ID included call letters
1255 KMTY 99.1 NM Clovis, relog
1258 KTMH 99.9 NM Clovis, Wings record, then CBS nx (phoned 'em, they carried both) /// thru local 99.9.
1259 KSEL 93.1 TX Lubbock, "...Lubbock..."
1300 KWGO 99.5 TX Abernathy, ID top of hour.
1310 KNID 96.9 OK Enid, "It's 61 degrees in Enid"
1313 KQIZ 93.1 TX Amarillo, "2-93" non-ID; Amarillo Stadium ad.
1320 KBIM 94.9 NM Roswell, relog, ID
1322 KATX 97.3 TX Plainview, relog for new calls, ex-KPLA, "Kay-Tax"
1327 KBWF 98.3 TX Spearman, H & H Water Wells ad (phone co. had listing)
1328 KYTX 98.7 TX Amarillo, local ads; (Why do all these Amarillos like to change calls??)
1338 KTTL 93.9 KS Dodge City, concert tickets sold in Garden City, Dodge City, etc.
1344 KILQ 93.9 CO Colo. Springs, relog for new calls, ex-KPIK, "KILO FM-94"
1400 KLMR 93.3 CO Lamar, The news today, on KLMR.
1401 KBLJ 92.1 CO La Junta, relog, local ad
1409 KVOB 99.5 CO Denver, Colorado newscast
1411 KAZI 106.7 CO Denver, "Springsteen on KAZI"
1413 KBPI 105.9 CO Denver, Edens Gardens Amusement Park ad
1421 KPPL 107.5 CO Lakewood, "Gordon Lightfoot on KPPL"
1429 KOSI 101.1 CO Aurora, ID
1449 KUWR 91.9 WY Laramie, ID'd obscure c mx; I called, it was theirs.
1455 KTCL 93.3 CO Fort Collins, "plain" ID
1500 KIOZ 102.9 WY Laramie, "K-102" and "Laramie" portions of ID heard.
1509 KFAH 92.1 NE Alliance, local temperature
6/2 tr 0643 WVXU 91.7 OH Cincinnati, Cincinnati wx
5/24 Es 2000 WNFQ 94.3 FL Lake City, "94-Q" and ID; stayed in for almost two hours!
2001 WQXM 97.9 FL Clearwater, ID and "98-Rock"
2030 WGNB 98.5 FL Panama City Beach, "The music for all seasons on 'Q-98,' WGNB-FM" - What a dumb ID!
2043 WMTM 93.9 GA Moultrie, "Best of country mx from WMTM-FM" (State #33)
6/30 GW 1400 WIPU 89.1 IN Fort Wayne, ID weakly through WEMU. (They said, "WEMU, we're gonna WIP-U out!")
7/5 Es 1745 CBHA 90.5 NS Sydney, parallel programming to 102.7 CBH
1748 CIOO 100.1 NS Halifax, Canadian gov't. subject matter (ID'd CHFX 101.9)
1809 CKWH 97.7 NS Kentville, "Promises Promises" played; I called, heard parallel on phone.
1821 CBI 105.9 NS Sydney, parallel programming to 102.7 CBH
1825 CJCB 94.9 NS Sydney, Gaelic/Highlands mx program, I called & heard //
1827 CKOL 100.9 NS Truro, "...7:27 at CKOL-F..."
7/9 tr 2345 CJCB 99.3 ON London, French, parallel to CBFF-AM 540.
7/28 tr 0303 WEHB 89.9 MI Grand Rapids, s/off
7/29 tr 0556 WAUP 88.1 OH Akron, s/on
2007 WEAX 88.3 IN Angola, "This is WEAX Angola"
7/30 tr 0627 WVPN 88.5 WV Charleston, talking about WV Little League
0648 WDSY 107.9 PA Pittsburgh, "FM-108, Daisy"
8/9 tr 1559 WUJC 88.7 OH University Heights, ID through CJOM Windsor ON.
1700 WZOW 97.7 IN Goshen, ID
1723 CKO 97.5 ON London, "...will be heard later on CKO..."
1801 WKTL 90.7 OH Struthers, "...Hi, it's 6:01, we're WKTL..."
1900 WFPL 89.3 KY Louisville, ID
1943 CING 107.9 ON Burlington, "C-I-N-G Stereo" (surprised to hear them using the calls)
8/10 tr 0038 CBC 100.5 ON London, noted parallel to 89.9 Windsor, ON.
0055 JSLK 98.9 IN Salem, Larry King Show, later gave radio ridge temperature.

* cont'd *

8/10 Es 2155 KRKE 94.1 LM Albuquerque, "This is Albuquerque's music FM, FM-94"
2159 KLYT 88.3 NM Albuquerque, Phone call again, got a parallel on r mx.
8/11 tr 0104 WBSB 92.1 IN Huncie, s/off
2100 WLRH 96.9 IL Mattoon, "You're listening to WLSB-FM, Stereo 97"
8/13 tr 0042 WONG 89.1 IL Naperville, ID between songs, like "kids playing radio"
(I enjoyed it)
0127 WKLF 96.9 IL Moline, relog, ex-WHBR, temperature under KSTF skies.
0129 WPTD 91.1 WI Kenosha, "WPTD, the Voice of Gateway on FM-91"
0431 KEZV 101.7 IN Port Wayne, ID, relog, ex-WCMX
0309 WGMN 88.3 MI Ann Arbor, Mendrix promo and local mentions.
0606 WAUS 90.7 MI Berrien Springs, programming disclaimer
1137 WMLH 102.5 IN New Castle-Muncie, write to us, comment on our programs.
1208 WSRW 106.7 IN Hillsboro, two local ads
1223 WGBR 100.3 IN Connersville, "It's 11:23 here, from CNB"
1236 KTCJ 98.5 MO Farlington, jingle: "KTCJ, 98.5" while trying for WAIF
1248 WACF 98.5 IL Paris, "Weather for the WACF listening area"
1304 WMAF 98.1 IN Princeton, Gibson County Bank
MS 1336 KDKB 94.1 KS Kansas City, ID, formerly by Tr 8/17/71.
8/14 tr 0069 WVMR 89.1 VA Roanoke, ID, then s/off through WMU.
0105 WARM 107.9 WV Huntington, "on WARM Radio in Huntington WV"
0130 WETA 90.9 DC Washington, open carrier test, ID for equipment tests.
8/15 tr 0107 WIDR 89.1 MI Kalamazoo, book/record sale, mention local places.
8/16 tr 2207 WHRF 98.9 IL Rock Island, ID, local ads
2223 WGEA 94.1 IL Watseka, Watseka ball game, surprise, was looking for WMIX
8/17 tr 0026 WJCK 97.7 IL Reneselaer, "Music in the night from WJCK"
0300 WLSU 89.9 IL Peoria, ID
0508 KKYK 105.7 AR Little Rock, ID after ad, (State #34) - 675 mile tropo.
0600 WMLX 94.1 IL Mt. Vernon, use WMIX's Co-op Department
2015 WQBA 97.5 WV Charleston, Capital Dodge, then ID.
9/4 tr 1741 WLM 105.9 IN Crown Point, jingle
1806 WSPY 107.1 IL Plano, local ad, stayed on top for about 4 hrs., 250 mi.
1827 WVVX 103.1 IL Highland Park, gave their phone number, which checked out.
1836 WGLT 100.1 WI Port Washington, welcome wagon phone number checked out.
1960 WKLY 98.3 WI Menominee Falls, ID, stayed atop WVKO all evening.
1930 WPNB 89.3 WI Green Bay, ID, formerly logged as WHKW Chilton.
1930 WWMK 89.7 WI Milwaukee, ID
1941 WIRM 90.9 WI Wausau, parallel to 89.3 and 90.7.
1948 WSWT 105.9 IL Peoria, "You're listening to Sweet, WSWT"
2011 WRKR 100.7 WI Racine, ID between songs, and local ad. Elkhart "missing"
2040 WISM 98.1 WI Madison, local furnace ad
2100 KSUI 91.7 IA Iowa City, ID
2139 WIAA 101.1 WI Green Bay, Green Bay wx, ID
2142 WME 90.5 WI Tomah, temperature "here in Tomah"
2149 WVRM 102.7 WI Suring, "WI Speaks Out" is a presentation of WVRM
(A friend had this one on his portable, too, in town)
2211 WBJR 97.7 WI Sheboygan, Citizens Bank/"FM-98"/rock, call to verify.
2232 WZND 99.3 MI Zeeland, "Super W-N-D" & local wx.
2240 WENO 107.1 WI Wisconsin Dells, "fair skies and 67 degrees at WENO"
300 mile tropo o/everyone.
9/5 tr 2340 WIMS 88.9 WI Milwaukee, local blues show.
0012 WKLB 92.1 WI Manitowoc, "...your friends here at WKLB..."
0043 WMT 96.5 IA Cedar Rapids, ID
0056 WQFL 100.9 IL Rockford, "You're listening to WQFL, Rockford IL.
0059 KAVR 106.5 IA Davenport, Quad Cities forecast
0130 KQSR 102.9 IA Cedar Rapids, pick up your Top 30 Survey from "Q-103"
0155 WZEE 104.1 WI Madison, "Z-104" and gave local phone number.
0300 KSJN 91.1 MI New Brighton, "KSJR" ID, then ad. (KSJN is in St. Paul-RS)
0300 KLSB 91.7 MN Rushford, also ID
0418 WTXE 92.1 WI Sun Prairie, mention "Mad City" twice, and "92-FM"
0613 WDEZ 101.9 WI Wausau, wx
0619 WELL 104.9 MI Marshall, relog, ex-WALM, Tekonsha ad
0651 WFAA 107.3 WI Fort Atkinson, Farmco Tires in Jefferson
0709 KNA 97.5 MN Rochester, Austin/Stewartville/Winona bank ad
0719 WJUZ 98.5 WI Green Bay, local insurance ad
0823 WMBF 106.7 MI Gaylord, ad for Kals in Petoskey
0823 KALI 90.7 MI Kalaska, Kalaska Mall, "Kill-96"
(Why would they call themselves that?)
9/6 tr 1644 WMBT 88.3 NJ Parvett, j, ID between songs
9/21 tr 1957 WTHS 99.3 OH Coshocton, Penney's in Coshocton
2018 WSCH 99.3 IN Aurora-Rising Sun, ready for high school football on WSCH

10/1 tr 1234 CUM 104.5 ON Toronto, rp, tree pass to show, get at 'chum'-FM.
 1236 CKNX 101.7 ON Wingham, m, Royal Homes in Wingham
 1331 WJGS 98.5 MI Houghton Lake, m, "Tell a friend about WJGS"
 1700 WJGS 91.9 PA California, rp, fast ID
 1737 CIXX 106.9 ON London, rp, wx on "Six-X"
 1906 WJGS 88.3 ON Findlay, "Robert John here on WJGS"
 2002 WHEI 88.9 OR Tiffin, rp, Yet another parallel grabbed over the phone, album rock, WVPW a real problem with WHEI rarely on top.
 2111 WJGS 98.9 KY Paintsville, r, WSIP needs tractor for the tractor pull.
 2159 WJGS 96.1 WV Charleston, m
 2203 CKN 99.1 ON Toronto, m, parallel to 97.5 with game.
 2346 WJGS 92.1 PA Ellwood City, k, American Country Countdown; s/off type
 ann uncertain but it wasn't a s/off; for some reason WHRR was off BEFORE midnight.
 10/2 tr 0000 WJGS 99.3 PA Uniontown, burst in for a few seconds at s/off.
 0005 WJGS 89.5 TN Johnson City, s/off
 0017 WJGS 92.1 MI Traverse City, r, suddenly faded in, 'Good Morning, Traverse City,' apparent b. rphy was sound asleep this morning.
 0028 WJGS 101.7 PA Lineville, r, "FM-102" non-ID and Meadville ad.
 0133 WJGS 91.3 OH Yellow Springs, re: Antioch College ex-91.5)
 0200 WJGS 103.7 W Pecoley, m? (Was p when I last heard WJGS-RS,
 0302 WJGS 88.5 DC Washington, a, ID after opera
 1120 WJGS 98.9 KY Paintsville, k, relog, was r last night.
 2238 WJGS 99.1 IL Danville, k, Urbana ad, etc.
 2358 WJGS 97.7 IN Frankfort, r, end Al Stewart album, partial ID caught.
 10/3 tr 0100 WJGS 100.9 IL Rockford, k, ID, mentioning 2+ hours.
 0103 WJGS 100.9 IL Rockford, s/off
 0134 WJGS 102.1 IL Danville, r, Sad Eyes on "D-102" WJGS jingle at 0135.
 0200 WJGS 100.9 IN Lebanon, relog, ID, noted running Larry King Show AN.
 0500 WJGS 107.1 PA Greensburg, s/on
 0612 WJGS 100.1 KY Winchester k, "KX FM-100 in Winchester" and local ad.
 0632 WJGS 106.3 IL Lansing, s/on, relog
 1152 WJGS 104.9 MI Caro, r, "For you, on 'IDL Radio' (MAL GO OFF AIR 10/15)
 1217 WJGS 93.7 MI Flint, s, "Another public service reminder of WD2Z"
 10/8 tr 0023 WJGS 96.7 IN Bloomington, gave Red Cross phone #, which checked out per phone company.
 10/17 tr 0059 WJGS 100.1 MI Fremont, s/on
 10/19 tr 0316 WJGS 100.9 OH Waverly, ends equipment tests
 0400 WJGS 100.9 KY Erlanger-Cincinnati OH, g
 10/20 tr 0415 WJGS 95.1 IL Decatur, k
 0200 WJGS 91.5 MI Mt. Pleasant, r, ID after Led Zepplin
 10/25 tr 0209 WJGS 88.5 MI Allendale, p, ID after album
 10/26 tr 0508 WJGS 101.9 IA Waterloo, wx
 0515 WJGS 105.3 IA Dubuque, m
 0533 WJGS 89.5 MI Auburn Heights, ID after Beatles album
 2132 WJGS 101.7 MI Muskegon Heights, football game
 2201 WJGS 89.7 IN Terre Haute, ID
 2219 WJGS 100.9 IN Portland, Jay County mentioned
 11/10 tr 1703 WJGS 90.9 OH Jefferson, relog, s/off

FM total is now brought up to 835, from 34 states plus Dee-Cee. Acquiring the McIntosh MR-78 on September 29, was the climax of over fourteen years of wanting "the ultimate FM-DX setup" capable of getting adjacent frequencies at virtually all times. I believe that I experienced a "FIRST" back in August - I mean, how often is it that a person is able to use the national network news to "ID" a DX station he received recently? I did! Take note of 8/13, my WKLP-96.9 logging. Now, I previously had them in my log under the old WHDR calls (and never heard it as WHTT), and of course WHDR was Moline. But with them mentioning both KSTT and 97-X, it was obvious that they weren't even WHTT anymore. Did the KSTT mention mean that they were now in Iowa? If so, it would be a new station for me, by virtue of its move across state lines, but if it was still an IL station it would be only a call change and therefore not new. Now, a few days later I turned on the NBC News (on Channel 13) and the first thing I see is something about the President Carter "energy cruise down the Mississippi river" and they're talking about his stop that day in Davenport. Among other things, the newscast said that he had been out on a talk show on Radio station KTY/WHTT. How bizarre that ILEX (NBC Evening News) would solve my mystery! Another coincidence seems to be 7/17/79 (though not quite as strange, with the fact that the date was 7/17/79 (tr) of 8/17/79 started out on that date with KJGR. The 9/24 tr opening, I probably consider to be the best I have ever encountered. The JLR-103.1 catch is, at 20 miles, my "runaway" furthest Class A tr catch ever; in fact, it's my first to even break the 400 mile marker. Getting the Memphians over the Detroiters (in just about

During the summer I took some time to get my antenna set-up winterized. I retired my Finco FM-5 and bought a Finco FMSL-12 from member Al Bernard. The 12 element Finco gives much better nulls than the FM-5. I could never get WPAT or WAAZ with the old Finco antenna. However, I should say that the FM-5 was ten years old, so time and weather probably hurt its performance some.

Neil G. Zank - 623 Lyncrest Dr. - Lincoln, NE 68510

Equipment: Pioneer SA-750 receiver, Archer 10 element FM Yagi, 22 Rotor at 45 feet.

9/8 tr 2100 WATP 100.7	OK Oklahoma City	9/11 tr 1100 d 41	91.3 WI Highland
2130 KOFL 104.1	OK Oklahoma City	9/19 tr 2130 WABC	91.9 MA Wayne
2300 WJIL 104.9	OK Bethany	9/29 tr 2300 KAK	98.1 IA Cedar Rapids

ES was very sparse for me this year, with only two openings noted: 6/8 and 7/20. Fewer openings than last year. What there was was good, with TX, MI, KY, and VA heard. The 6/8 opening was the entire band, with Panama City, FL heard on 107.9. The bad news is that no ES stations verified for me this year.

Neil Zank

Bob Gent - 1635 Fruit St. - Huntington, I. 46750

Equipment: Pioneer TX-9500, with Channel Master model 4408 antenna at 40 ft.

10/22 tr	11/3 tr		
0630 WSAE 89.3 MI Spring Arbor r	90 2054 WCC	106.1 IN North Vernon K	130
10/26 tr	2130 WJLM	107.9 WV Huntington g	245
2345 WUTC 88.1 IL Chicago 10w	140 2144 WJLP	98.9 KY Paintsville r	270
(WVPE off)	2305 WEPW	89.9 WV Huntington j	245
2345 WJTH 88.1 IN Winnetka 10w tent.	135 2317 WJWB	99.9 MI Grand Rapids d	145
10/27 tr	2330 WBRW	92.5 WI West Bend m	220
0010 WUIT 88.1 IL Chicago t	130 2340 WJWM	92.7 IL Arlington Heights	150
10/31 tr		r, "Northwest 92.7 FM"	
0647 WJFT 91.5 IN Indianapolis r, 10w	90 2359 WKZZ	96.9 IL Menomonee Falls/off	170
11/2 tr	11/4 tr		
1345 WDTB 90.9 MI Detroit t	155 1337 WKSS	107.7 MO St. Louis m	305
1407 WJWL 98.9 MI Petoskey r	315	"Maxie 108-FM"	
11/3 tr	1343 WRAY	98.1 IN Princeton	215
0831 WUEV 91.5 IN Evansville r	235 1347 KSLQ	98.1 MO St. Louis r	305
1709 WGRQ 96.9 NY Buffalo r	365 1356 KEZK	102.5 MO St. Louis m	305
1759 WFFM 96.9 PA Braddock r	295 1359 KADY	96.3 MO St. Louis r	305
1939 WJAF 94.5 KY Lexington r	210 1400 WJHU	90.7 MO St. Louis c	305
1950 WJTG 93.9 KY Madisonville mr	235 1700 WFFM	96.9 PA Braddock r	295
"94-KTG"	1738 WJED	89.3 PA Pittsburgh c	290
2045 WAKQ 101.1 KY Russellville r	300 1754 WPEZ	94.5 PA Pittsburgh r	290
2048 WITZ 134.7 IN Jasper	200	(new underlined - EST used)	

I hope this to be the first of many reports to this column now that I have a tuner with enough sensitivity to get out beyond the semi-locals.

Ralph Strobel - 2510 E. McGalliard Rd. - Muncie, IN 47303

Equipment: Heath AJ-1510, Winegard antenna w/rotor at 60 ft.

10/24 tr 0200 WYSO 91.3 OH Yellow Springs ex-91.5
10/31 tr 2123 WXXX 95.3 IL Ottawa o/WVTM (Total: 810)

When WYSO Yellow Springs, OH was heard on 91.3, rather than their usual frequency of 91.5, I called them. Sure enough, this station has changed to 91.3. WYSO is usually heard well here. I kept my tape deck recording and after one of many horrible "Rockabilly Songs of the 50's" the DJ announced: "Well, I had an interesting call a few minutes ago, uh, Ralph Strobel, uh, called me from Muncie, IN, uh, he's an instructor at Ball State University there and he's getting us loud and clear at 91.3 which is still at 2400 watts waiting on permission from the FCC - the FCC - to, uh, jack the power up to 10000 watts, but, uh, of course he has a large antenna, um, and he gets us good as it is, uh, which we'd get some other individual listeners to show us..." (After all this bawling, WYSO completely faded out for ten seconds!) Then heard: "...at Ball State University, uh, specializing in the oboe, which is not, uh, an instrument that's used on every record, but he enjoys my program, even though, uh, we don't do much oboe music, but, uh, anyhow, getting back to my style, this is uh, Billy Dean Jones' first husband, uh, the great Hank Williams, uh, a song I had a request for several shows back and didn't happen to have the record with me, it's called Honky Tonkin'."

The previous DJ heard earlier that evening playing rock music remarked, "All you have to do is dial seven digits and can sound off to the Miami Valley - you're a fool not to take advantage folks - some people'd sell their left t----- to get on the air." Other "XXX" rated words heard and taped I best not print" 73, Ralph

MERRY CHRISTMAS TO ALL!

SOUTHERN FM DX

DECEMBER, 1979

Danny Buntin, editor
1314 N. Skyline
Stillwater, OK 74074

DEADLINE, the 9th

NOT MUCH DX BUT A LOT OF ENLIGHTENING COMMENTS

The wild trop binges some of the Eastern DXers were on during September settled down sharply during October, making that month just another mediocre or worse period for DXing, evidenced in the lone report from the East where conditions "have taken a turn for the worst." To find the only hotbed for trop activity during October in the FM South, one would look in central Texas. Several good days were noted there, like the 8th and 9th, by two regular reporters. No E-skip reported in since September 1st.

With the few reports came a lot of interesting comments for this month. To help make up for the lack of DX, you'll find a behind the scenes look at an old Halicrafters SX-62, now retired from FM DX duties plus a mini-book review on HF radiation.

Randall B. Clark, Rt. 9 Box #231 (Dutch Ridge), Parkersburg, WV 26101 EDT - Oct. 15-Nov. 2
Equipt.: Realistic STA-42 with a 3 ft. long antenna up 45 ft. AGL, five miles east of Parkersburg, WV. All loggings are tr. PH#: 1-304/422-2923

10/15
0129 WFMX 105.7 NC Statesville, weak
2103 WDJX 103.9 OH Xenia, in briefly

10/16
0159 WLMJ 97.7 OH Jackson
10/17
1135 WKKX 96.1 PA Pittsburgh
(plus Class A stns in VERI well!)

10/21
0200 WHKK 100.9 KY Erlanger, WQIT in at
2339 testing w/tones, etc.

10/28
2056 WQIT 100.9 is officially now on the air with live rock format. For the first week they didn't have any spots except for a Pitts Steelers game promo. They use the same slogan as WQUT 101.5, "QT-101".

10/29
1036 WXTX 92.1 MD Oakland, in w/EBS test & "wixie" slogan

11/2
1115 WFGH 90.7 WV Fort Gay

Hello everyone! Well, things have taken a turn for the worse after the 'block-buster' month of September, '79. The opposite is true for the 30-50 Mhz frequencies!~ hearing BOTH of the BEC-1 TV audio sound channels(41.5 and 48.25 Mhz)almost daily!

I, too, as well as Glenn Hauser, have a book well worth recommended reading when the bands are down, etc. *Storm on the Sun*, by Joseph goodavage on Signet Paperbacks, deals with the frightening aspects of "RF pollution" that is supposedly affecting the behavior of many of the Earth's animal population. Detailed are some unusual and unexplained actions taken by various animals such as millions of vaux swifts dive bombing California houses, whales trying to commit suicide by swimming onto beaches and herds of wild moose suddenly invading populated areas of Alaska, etc. The cause, more specifically, is apparently due to electromagnetic radiation in the frequency range of brainwaves, the type produced by power lines and heavy electrical equipment. However the author doesn't exclude the possibility of effects partially by radio-tv emissions. We have already seen what can happen with microwave bombardment. Comments out there anyone?

Turning to much more pleasant events, Paul Mount is having a DX gathering on November 23rd-25th in Nelsonville, OH at his residence. Of course I'll be there as well as a few other area DXers. There may be a report in the January VUD.

Here's to hoping that this winter's not as rough as the preceding ones!!!

Wishing the very best of DX!

735 - Ray

Pat Dyer, 5315 S. Lvertip Dr., San Antonio, TX 78228 - Sept. 4 to Nov. 4 EDT
Equipt.: after Oct. 1, Realistic TM 100' tuner fed into Allied 426 (as the audio amp);
Archer 6-el. antenna at 20 ft. with rotor. (new underlined)

10/2 (all tr)
0038 KJUF 105.1 TX Lufkin, ID 265
0050 WFMF 102.5 LA Baton Rouge, IL, r 450
0055 WXL 105.3 LA Slideil, ads, "X-105"

0102 WAFB 96.1 LA Baton Rouge 450
0106 KVTT 91.7 TX Dallas, g 250
0117 KIOC 106.1 TX Orange, 'K-106', ads 295
0120 WEZB 97.1 LA New Orleans, ID 510

10/2 (all tr)

0120 KWTG 107.7 TX Beaumont, ID 275
 0126 WYNK 101.5 LA Baton Rouge, ID 450
 0129 KQXY 94.1 TX Beaumont, ID 275
 0134 KTDI 99.9 LA Lafayette, ID 395
 0202 KGRA 103.7 LA Lake Charles, ID 325

10/8

0243 WFMF 107.5 LA Baton Rouge, town ID
 0257 WEZE 97.1 LA New Orleans, ID 510
 0302 KSNB 96.1 LA Lake Charles, ID 325
 0310 WRNO 99.5 LA New Orleans, ID 510
 0316 KQXY 94.1 TX Beaumont, ID 275
 0324 KIOC 106.1 TX Orange, area ad 295
 0359 KLUF 105.1 TX Lufkin, ID 265
 0400 WXEL 10.3 LA Slidell, ID 530

10/8

0451 WTYX 94.7 MS Jackson, ID 525
 0621 WYLD 98.5 LA New Orleans, ads, ID 510
 0625 WWNO 89.9 LA New Orleans, ID
 0635 WCKW 92.3 LA La Place, ID 495

10/12

0317 WYLD 98.5 LA New Orleans, ID 510
 0323 WEZE 97.1 LA New Orleans, ID
 0335 WAFB 98.1 LA Baton Rouge, ID 450
 0437 KSLI 96.9 LA Alexandria, ID 385
 0539 WQMV 98.7 MS Vicksburg, local ad 495
 0540 KDOI 106.5 TX Jacksonville 260

10/13

0203 KRLG 98.1 OK Lawton, ID 355

A lot of trop in the month due to the unusually high temperatures (90's in October down here are even somewhat rare) and tranquil weather (i.e., no storms/rain, etc.) Attempts at Ma with the Orionids were frustrated by the strong in-state trop conditions, with the only really clear zones in the 8d-32 area which are hard enough to ID by any mode. Might try again with the Lionids and most certainly with the December Geminids.

As you may notice, I acquired a new main piece of equipment, i.e., the TM-1001 tuner. This was done after searching a lot of specs (back thru 1973 catalogs). I was just about to get a Heathkit AJ-1219 when the close-out sale on the TM-1001 showed with a lot more features and specs, already built, and a lot cheaper.)

OPERATION OF THE OLD SX-62 IS DESCRIBED

For the benefit of those who might have been wondering what that SX-62 I've been using as a mainstay since 1974 is, here follows: A late 1940's early 1950's vintage tube set (apx 19" w, 15" d, 9" h, all steel chassis, with 6AK5, 7F8, 6SG7, 6H6, etc., pair of 6V6's audio output, VR tube and a 5U4GB for the power supply) that covers, in six bands, from 540 kHz to 108 MHz (last two bands are AM/FM choice). Yes, it does tune thru Ch. 2-6. In fact, the last band is 54-108. Thus, 88-108 ended up as about 3" of dial that took about seven turns of the tuning knob to cruise thru--thus my cal. marks were like 88.5, 89.5, etc.--life can be easier. The SAX-1 preamps (see magazine ads) were for apx 88-98 and 98-108 (one wouldn't cover it all) with three switches to throw (input/output/power) to change them. Also, the slug-tuned coil had to be adjusted even within those two ranges to peak (i.e., a lot of difference from 88 to 94). I also had a variable capacitor/choke presselector tuning (series resonant) to reduce the local overload on the bi-polar transistors. The amps had to be feed thru a balun as their inputs required it. The discriminator detector (ratio detectors came later) transformers (as well as an i.f. coupling unit and the i.f. cans themselves) had to be adjusted a lot for best fidelity/sensitivity/selectivity (which never seemed to coincide). Selectivity was one of the big factors (compared to the other solid-state units I'd tried) the SX-62 was kept on line. An SCA jack and unit were installed though only used very seldomly on locals and never on DX. As the SX-62 was also used for 30-50 MHz monitoring (FM limiting so poor it was good for BBC and French TV audios, etc., though the wide-band i.f. made for lousy selectivity on that band) the i.f. cans, etc., had to be adjusted differently for best performance there, things did get hectic. So, for all of those who have only known the likes of the modern solid-state tuners/receivers (AJ-15's, etc.) you really don't know what you've missed, hi. (Or fully appreciate what you've got!).

So far, the TM-1001 seems to combine the best of the SX-62 (selectivity) with a lot simpler tuning, sensitivity, and fidelity and it is nice to have a meter. Now for an Es opening..... 73, Pat WA5IYX

SEASONS GREETINGS

As editor of Southern FM DX, I would like to extend my warm felt wish to one and all WFDAders for a Merry Christmas and a very nappy and productive new DXing year, 1980!

MORE DX CONTINUED.....

Donny

Link Sanford, 404 S. McNeill, Burnet, TX 78611 - Oct. 5 to Nov. 5 CDT

10/7 tr
0845 KPXI 106.7 TX Mt. Pleasant, ID, wx
, Long sought, o, KASE; heard w/TX State Net.
nx at usual :55 time. 250

10/8 tr
0845 WYV 106.7 MS Vicksburg, promo 460
0857 WYX 44.7 MS Jackson 500
, received too easily to be reported
normally, but noted here since station
went off air for wxr maint. - TX FMs,
especially KHLB, need to do likewise during
these morning sessions.)
0904 KMAR 95.9 LA Winnsboro 405
0913 WZVY 100.7 LA Baton Rouge 435
0920 WMDG 100.9 MS Hazelhurst, ad, end 480
of "Community Bulletin Board" noted at 0936.
0926 WGBM 102.7 FL Milton, ads
0932 KXOM 104.1 LA Houma, ad 470
0940 WRFM 107.9 MS Poplarville 530
0945 WCCA 94.1 MS McComb, ID 475
0953 WCKW 92.3 LA Laplace 480
0958 WBYU 95.7 LA New Orleans 500
1005 WQWV 98.7 MS Vicksburg, ad 560
1110 WTCI 103.3 LA Hammond 475

10/9 tr
0044 KLMV 92.3 AL Montgomery, prev. by 710
Es, wx, ABC nx, "I-y2" slogan later

10/9 tr
0049 ABAM 98.9 AL "Montgomery's Great 98"
0116 WQNZ 95.1 MS Natchez 420
0131 WQJB 107.3 FL Pensacola, ID, wx 665
0745 WCKW 92.3 LA Laplace, ad 480
0800 WQNZ 95.1 MS Natchez-Vidalia LA ID
0838 WBFM 90.3 AL Birmingham 705
"Community Calender" w/concert, etc., info.
0850 ABAM 98.9 AL Montgomery, ad 710
"The Big Bam and The Great 98"
0851 WQAT 94.1 AL Carrollton, ad 630
"The Alabama Music Leader," "Q-Q"
0854 WMAZ 99.1 GA Macon, wx 870

10/17 tr
0749 KYOT 106.3 TX Refugio, now on air, 175
\$, k, "Coyote" slogans (not IDs), TSN nx,
heard w/SS in evening till 0000 s/off, but
unsure of start time. **

10/27 tr
0105 KXOM 104.1 LA Houma, s/off 470
0130 WBYU 95.7 LA New Orleans, "Bayou \$ wx"
0134 WFL 101.9 LA New Orleans 500
0200 KAJN 102.9 LA Crowley, g 365
0826 KBIM 94.9 NM Roswell 410

**For those not familiar with TX towns, the
g in Refugio is pronounced as an "r".

Also tr to the east into Jackson, MS. Having the band open over this wide east-west
path is not unusual even with these mediocre openings.

Shortly after WMAZ's legal ID at 0902 on 10/9, the out of state trop began to suddenly
disappear, with the cool front arriving shortly before 1100. KNAF 101.1, Fredericksburg,
TX now KPAN, still n.

STATION BREAK

c/o Bill Thompson
1907 Seneca Street
Buffalo, NY 14210

WTFDA member ads only. 3 line or 30 word limit.

WANTED - Manual, specs, schematic or any info on "National HRO" circa 1934.
Will pay reasonable price. Would like to hear from any "HRO" owners. I have
the rig, but lack knowledge on this model. Robert S. Ross, Box 4373 Stn. C,
London, Ontario, CANADA N5W 5J2.

TRADE - Please help! Need recent TV GUIDES from most areas. Will trade on
equal basis my New York City edition for one of your area TV GUIDES.
Ian Myers, 14 Lloyd Lane, Nesconset, NY 11767.

FOR SALE - Bearcat Four-Six 6-channel pocket scanner with lock out switches,
telescopic antenna, four crystals, and a 33 W/F dual speaker radio. \$200
both. Edward K. Loucians, Box 1142, 137 N. North St., Jantico, IL 62551.
Telephone: (217) 668-2510.

Your non-commercial ad can appear in the V D Free of charge! Get a piece of
your local media to see if looking for some in advertise in STATION BREAK.

QSL CORNER

FM-QSL

Thomas J. Yingling, Jr.
221 Pinewood Road
Baltimore, MD 21222
Deadline: 10th
Phone # 1-301-282-6649

- AZ KMCR 91.5 Phoenix, Very specific letter in 2 weeks from Bill Shedd, Ops. Said previous best distance was eastern Texas. Wood
- CO KOAO 103.5 Denver, P. O. Box 5912, 80217. Send only a qsl card of KOA-850khz am, no notation of KOAO-FM on it. Reply in 8 days. First qsl from skip above 100mhz. No signer. Clark
- KLMR 93.3 Lamar, P. O. Box 890, 81052. Send form letter with date typed in, signed by Gerry Gibbs, CE. Clark
- KTCI 93.3 Fort Collins, P. O. Box 2204, 80522. Nice letter from John Voorhis, Promotional Dir. Reply in 13 days. First qsl from Colorado. Clark
- ME WMOX 93.1 Portland, letter, rate card & calling card in 1 week from John M Goran, Station Manager. Says my report is "one of the first from out of state in almost 3 years of operation." Wood
- NY WABV 106.5 Buffalo, 2200 Rand Bldg, 14403. Letter from Rick Lesniak, Prog. & GM. Reply in 15 days with no return postage. Said mine unusual as is out of map, & ask if heard them regularly. Chernos
- WGSU 89.3 Geneseo, State University of Arts & Science, 14454. Letter back in 54 days from L. Rob't Freiburger, Dir. of Instructional Resources. ~~Chernos~~
- ND KKDD 92.9 Grand Forks, 58201. Letter from Dave Schroeder, CE. Elving
- NC WPGT 90.1 Roanoke Rapids, Letter, gospel tract & program guide from Marvin E. Faile, Pastor, First Baptist Church (which operates WPGT) who says "Without a doubt this is the most distant reception we had reported. 785 miles, what a phenomenon!" Wood
- OH WKFI 102.3 Wilmington, P. O. Box 1, 45177. Short letter from Dave Walker, GM who says "it's always nice to hear from a listener." Reply in 5 days. Clark
- WIRD 100.9 Waverly, Box 227, 45690. Brief to the point letter from Tyrone Henry, General Manager. Clark
- WLOR 101.5 Toledo, letter in a folder from Rick McDonald, Program Director. Reply back in 2 weeks. Yingling
- WNCI 97.9 Columbus, 4900 Sinclair Rd, 43229. Letter, coverage map & T-shirt from Marsha Spencer, Asst/Promotions. Yingling
- PA WPTG 90.3 Lancaster, Lancaster Bible College, 780 Eden Rd, 17601. Post card from Peter A. Loken, Mgr. Reply in 1 month & 1/2. Yingling
- SD KREL 92.5 Sioux Falls, letter from Dawn Walton, FM Sales. send 2 cm's, wk'd's, station list without return postage. Chernos
- TX KAMA 93.1 El Paso, specific letter in English for report is mixed Spanish & English, in 1 week from Hollis W. Duncan, Tech. Dir. Said my report was by far most distant for FM & invited me to try to catch AM also. Wood
- KJCS 103.3 Macogoches, P. O. Box 1111, 75961. Letter & bumper-sticker from Robert Will, General Manager. Reply in 29 days. Yingling
- KUT 90.7 Austin, University of Texas at Austin, 78712. Letter from Howard L. Lenett, Asst. Program Director. Reply in 1 1/2 weeks. Yingling
- WI WGGG 99.3 Waupun, 609 Home Ave, 53983. Letter from Michael W. Moran, CE Eddie
- WIXX 101.1 Green Bay, 115 S. Jefferson St, 54301. Letter from D. E. Wright, GM, Eddie
- WZEK 104.1 Madison, 5721 Tokay Blvd, P. O. Box 8030, 53708. Letter from Chief Engineer Sherm Stern. Eddie
- WLPX 97.3 Milwaukee, P. D. Box 402, 759 N. 19th St, 53201. Letter from Chief Engineer Robert P. Johnson. Eddie
- WYMS 88.9 Milwaukee, Friendly letter from Guy Morrison, CE, who mentions they have 67 & 41khz sec authorizations, but have been used very short times so far. Elving
- WEMI 100.1 Waukegan, P. O. Box 100, Menasha, WI 54952. Letter from Peter L. Thorpe, CE says. "Your report is not only the farrest to date, but the first to date!" Elving
- KSJN 91.1 St. Paul-Mpls, 400 Sibley St, St. Paul, 55101. Letter, bumper-stickers, coverage-map & a copy of Minnesota Monthly, from Nicholas Nash, Vice President/Programming. Yingling

Reporters are this time: Richard Wood, Randall Clark, Saul Chernos, Bruce Elving, Richard Eddie, Tom Yingling-Eitor. Again I ask my reporters to include with there report the station mailing address with the name of the signer. Please help others in this way. '73's

DM

C.C.I. [UNIDENTIFIED DX]

Scott Levitt
3132 Woodland Ave.
S. Plainfield, NJ
07080
deadline: the 5th

December, 1979
TV unID's

Raul Gaines, C.R. Cleaning, 15920 Puritan St., Detroit, MI 48227
1979 unID's

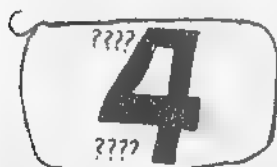
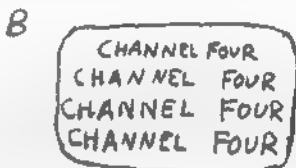
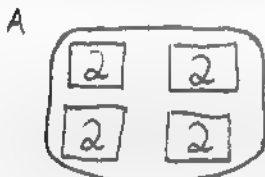
Sat Jul 21 ch 5 Es 2100 EDT-- "Upstairs, Downstairs" type program, PTA
FL area (not WUFT? -SL)
Sun Aug 12 ch 2 Es or Tr 0415-0515 EDT-- "Love American Style" PTA:SE
no ads or id's Canada also suspected
Sat Sep 22 ch 2 Au 0335 EDT-- movie or short drama, sign off at 0416
possible "K" call (see drawing A)
Tue Oct 9 ch 4 MS 0314 EDT-- (see drawing B)
Wed Oct 17 ch 4 MS 0358 EDT-- (see drawing C)
Wed Oct 17 ch 4 MS 0300 EDT-- (see drawing D)

FM unID's

WSB-TV 2

Peter Sawatzky, R.R. #4 Guelph, ON N1H 6J1
1979 unID

Between 2300 on Oct 2 and 0814 on Oct 3, the following MS burst was
recorded: (because of the automatic FM scanner Pete uses, exact time
and frequency are unknown) "... transmitter link #BB453 on the assigned
frequency of..."



Calls seen in
both places
indicated at
different times



I still need 1979 TV Guides, and if I don't get them before I type next
month's column, I will run all the unID's from last summer so maybe
there will be a chance of finding some of them.

abc
TV 22
WJCL
THE LEADER

savannah

klas
vegas

CKVU-13
UHF 21

CKND-TV
9/12

CHANNEL 9/CABLE 12

Good DX to all,

Scott

wdaw 22

44
KBHK

7

12
WKRC-TV

KTRE 9 TV
LUFKIN NACOGDOCHES

KWWL TV

WLAS-TV

wboc-tv 16
SALISBURY

your friend 8
WOS-TV

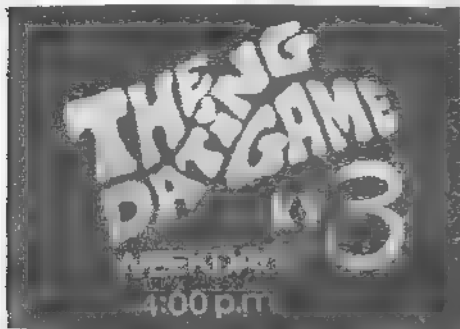
48
WYUR-TV
HUNTSVILLE-DECATUR

PHOTO-NEWS

Jim Alexander
4 Brook Court
Parsippany, NJ 07054

December, 1979

This month, we have two pages of TV DX, contributed by 9 DXers. Most noteworthy is Bill Grant's photo of CBT 13, Charlottetown, Prince Edward Island, Canada. This photo is not only our first look at a station from PEI Canada, but is a tropo catch of nearly 500 miles as well!



KITV- 3 Springfield, MO
295 mile E-skip (Combs)



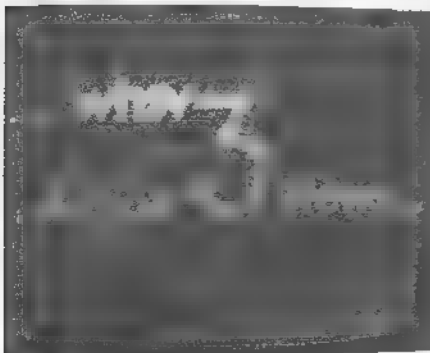
WFBC- 4 Greenville, SC
825 mile E-skip
5/28/73 (Petosky)



CBT-13 Charlottetown, PEI
495 mile tropo
10/28/75, 0759 EST (Grant)



WMED-31 Peoria, IL
345 mile tropo (Gaines)



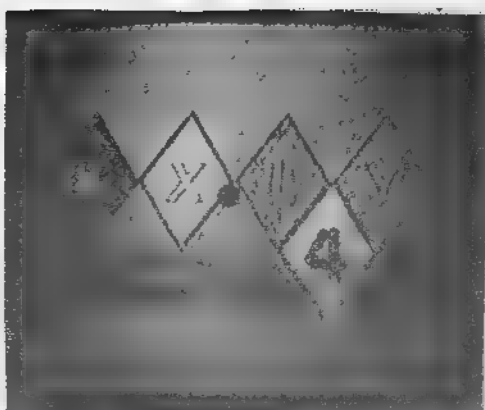
WHSV- 3 Harrisonburg, VA
720 mile E-skip (Combs)



WCB- 4 Columbus, MS
E-skip (Barber)



XEPN- 2 Ciudad Juarez, CH Mexico
E-skip (Shults)



KSLY- 4 Spokane, WA
E-skip (Pizzi)



WJBK- 2 Detroit, MI
725 mile E-skip
6/3/79, 0600 CDT (Boehl)



WSFA-12 Montgomery, AL
380 mile tropo
5/22/79 (Combs)



WCKT- 7 Miami, FL
270 mile tropo
7/1/79, 0900 EDT (Thompson)

Contributors:

- John Combs, Orlando FL
- Paul Petosky, Munising MI
- Bill Grant, Worcester MA
- Paul Gaines, Detroit MI
- John Barber, Carolina RI
- Marv Shults, Toulon IL
- Jim Pizzi, Orcutt CA
- Leo Boehl, Grand Island NE
- Wayne Thompson, Silver Springs FL

Wishing a joyous holiday
season to all...

WESTERN TV-DX

December 1979

Fred McCormack
Box 5221
State University Sta.
Fargo, ND 58105

Deadline: 5th

We have three reporters this month. Reports from Oklahoma and Texas indicate very fine tropo conditions in parts of September and October. The fall tropo season up here was nonexistent. Absolutely no DX has been noted here except for the return of F2 skip from Europe.

New _____ New Mode _____ Tentative - t Unidentified - unid

John F. Anderson, Box 186, Lowe Farm, Manitoba R08 1B0 (204-746-8887) CDT?

Equipment: Delhi 1057 @ 64 Ft., CM Amp, Traps

May 1979

9 Es 1830 KNIDt 2 TX 1233 KJAC 4 TX 1344 1900 KETS 2 AR 1045	22 Es 0038 WSB 2 GA 1270 (MUF FM band)	3 Es 2000 KAIT 4 ID 7 Es 1800 WTVY 4 AL 1900 WCBI 4 MS 1900 WSB 2 GA 2200 KING 5 WA 1150
10 Es 1900 ch4, tent. Missa.	2 Es 1737 WRAL 5 NC 1317 WFMY 2 NC 1266	10 Es 2200 KDBC 4 TX XET 5 CH 1300
11 Es 2000 KDFW 4 TX 1140 KXAS 5 TX 1140	1750 KDKA 2 PA 1041 1300 WRC 4 DC 1123	12 Es 2340 KQTVt 2 MO (MUF ch 5)
23 Es 2200 KEPM 2 CH 1300 2355 XEJ 5 CH 1300	9 Es 2000 CBFT 2 QU 1127 12 Es 1800 WSJK 2 TN 1050	2355 KPRC 2 TX 16 Es 0109 KOTI 2 OR

June 1979

5 Es 2000 KENS 5 TX 1380 KMOL 4 TX 1380	20 Es 1353 WUND 2 NC 1400 WMAB 2 MS 1185	17 Es 0045 WMAF 2 MD 21 Es 2233 KMOX 4 MO
21 tr 2200 KELO 11 SD 405 KSFY 13 SD 405	24 Es 2200 KJAC 4 TX	

August 1979

September 1979
3 tr 2030 WEAU 13 WI 448

Doug Everitt, No. 2 Highpoint Park, Enid, OK 73701

August 1979

31 tr 2230 KHIN 36 IA 340 8 tr 0330-0600: slept

September 1979

1 Es 1855 KVOA 4 AZ 1900 KTWQ 2 WY (MUF ch6 @ 1905)	0600 KFVS 12 MO 470 WFIE 14 IN 590	8 tr 1200 WAAYt31 AL 660 1205 WZTV 17 and WTVK-26 still stable.
1959 KID 3 ID	0615 KCBJ 17 MO 350	1300 f/outs...
4 tr 0820 KHIN 36 IA 340	0620 WTVQ 17 IL 620	9 tr 1020 KRIV 26 TX 480
8 tr 0128 KCBJ 17 MO 350	0625 KLAA 14 LA 430	KHTV 39 TX 480
0130 WAND 17 IL 540	0640 WIFR 23 IL 620	1035 KCBJ 17 MO 350
0135 WMTV 15 WI 640	0645 KDIN 11 IA 430	11 tr 0000 K33## NE (EPV)
WNDU 16 IN 730	KYIN 24 IA 530	KYNE 26 NE 350
0140 WSBT 22 IN 730	KHIN 36 IA 340	(both w/sign off)
0145 KPLR 11 MO 450	0655 WAPTt16 MS 530	0005 KBIN 32 IA 350
WIGS 20 IL 510	0705 KDNL 30 MO 450	KHIN 36 IA 340
0210 WRAU 19 IL 530	WEEK 25 IL 530	(both with c/b)
0235 WEEKt25 IL 530	0715 WRAU 19 IL 530	24 tr 1850 WMAV 18 MS 500
0238 WPTY 24 TN 470	0729 WKPT 19 TN 840	WPTY 24 TN 470
0242 K36AB Lawton OK (xiting WIBW-1311)	0735 WTVK 26 TN 760	1930 WKNO 10 TN 470
WIBW like a local...	0740 WMBD 31 IL 530	KAIT 8 AR 410
0250 WKY 32 KY 670	0750 KTEJ 19 AR 410	2100 KTEJ 19 AR 410
0300 WABG 6 MS 490	0755 WZTV 17 TN 600	2203 WMAO 23 MS 490
	0807 WTCit45 TN c/b	2245 KLAA 14 LA 430
	0835 WEHT 25 IN 590	WZTV 17 TN 600
	0845-1130: slept	WHBQ 13 TN 470
	1150 WMAV 18 MS 500	

Es of September 1st was a pleasant surprise, but the highlight of the month was definitely the long-awaited tropo. I'm not sure when the opening of September 8th actually started, as I was out until after 1am, and was startled to find KCBJ-17 snowfree when I turned the set on. K36AB in Lawton, which normally translates KETA, was carrying WIBW due to the intensity of their signal, some 300 miles distant from the xltr site. WABG-6 was a definite surprise, especially considering the condition of my low band system. Traces of WTVK-26 were seen as early as 0655, but nothing really identifiable was seen until 0735. Both WKPT-19 and WTVK-26 were very stable throughout the morning, with very little of the signal fluctuation seen on stations in the 300 to 400 mile range. Both were quite watchable, especially WKPT. WZTV-17 was also one of the better signals of that morning. The color bars which I spotted on c/b at 0737 near us on Chattanooga, and the other possibilities are somewhat unlikely, carrying an odd xltr. Fade-outs were fairly uniform between 1215 and 1300, with WZTV and WTVK the last stations to go

Doug Everitt (continued)

in the over-300-mile category. I was expecting (and hoping) conditions would pick up again in the evening, but even the regular troposcatter was down, and no sign of anything beyond 300 miles was seen at all. The morning of the 9th brought a spurt from Houston and KCBJ. I caught a new xltr around midnight on the 11th, in the form of a ch 33 xltng NcTV, apparently with KUON-12 as its primary. The only other DX activity noted in September was on the 24th, with a few stations in the 400-600 mile range coming in nicely.

KOKH-25 in Oklahoma City is back on the air as a full-time independent station, but so far, they still have low power and a short tower. Signal is poor here in Enid. 73 & the Best of DX = Doug

(The above report was received too late for publication in November. Doug sent a note adding to the above. He noted no DX during October, but has been watching new KQMG-34 Oklahoma City with un-nullable signals in Enid. He says it should make a very good tropo target. fm)

Pat Dyer, 5315 Silvertip Drive, San Antonio, TX 78228

CST

Equipment: 1976 model 9-inch black & white Penncrest; Archer V-100 and 8-bay bow-tie UHF array at 20 feet with rotor.

October 1979

1 tr 1003 KIDzt24 TX 305	8 tr 0510 WGN0t26 LA 510	12 tr 0445 KLFY 10 LA 395
6 tr 0559 WGN0t26 LA 510	0515 WAPtt16 MS 525	RPLC 7 LA 325
WRBTt33 LA 450	KLAAt14 LA 430	0457 WGN0t26 LA 510
0629 KLA 14 LA 430	WRBT 33 LA 450	0510 WAPtt16 LA 525
0659 WAPT 16 MS 525	0517 WHA 19 MS 570	0543 WHAU 17 MS 470
WLPBt27 LA 450	0521 KLFY 10 LA 395	WHA 19 MS 570
KIDzt24 TX 305	9 tr 0038 WJTV 12 MS 525	0612 WRBT 33 LA 450
Es 1135 KTWot 2 WY 1015	0348 KNOE 8 LA 440	0625 KTAB 32 TX 220
1150 KWGnt 2 GO 810	0457 KPLC 7 LA 325	0630 WLPB 27 LA 450
1230 f/outs	WAFB 9 LA 450	13 Es 1205-1220 unids 2,3
8 tr 0010 WAFB 9 LA 450	0458 WTV 9 MS 665	north east sharp MUF
0014 KTRE 9 TX 265	WAPtt16 MS 525	24 Es 1835 unids 2 nw
0400 KNOE 8 LA 440	(Al,GA? unids 36,38,42)	1845 KUTV 2 UT 1080
ELTV 7 TX 280	Es 1810-1950 YSR 2 1200	1915 ? ch2 xltr CCI?
0428 WLOX 13 MS 570	1830 YSU t 4 ES 1200	2020 KORK 3 NV 1050
0437 KPLC 7 LA 325	TGV t 3 GU 1120	2040 KTVKt 3 AZ 835
0510 KATC 3 LA 395	11 tr 1050 KETst 2 AR 515	2055 KOAIt 2 AZ 855
KFDM 6 TX 275	12 tr 0115 WVUE 8 LA 510	2159 KNXT 2 CA 1190
	0337 WAFB 9 LA 450	2220 apx f/outs
	0445 WDSU 6 LA 510	ES=El Salvador GU=Guatemala

Some very good trop in October, caused in large measure by the consistently higher than average temperatures (along with the lack of turbulent wx, rain etc.)

The UHF tuner in this set still seems to lack the performance that the one in the 1971 (tube chassis) model did - and that detent feature now incorporated makes quick-sweep checking on UHF a chore (it isn't worth the advantage of knowing which ch you are on if it takes so long going back and forth from 14 to 45).

The evening opening of Es to the south on the 9th did link on 50-MHz with TE modes into Argentina.

On the F2 modes, I did finally get some results from direct feed (with a pre-amp) into the I.F. strip for BBC-1, ch B-1. (I'd tried this without much luck last Feb). Really had to twist the horizontal hold control for sync. Of course, video was negative (so the vertical blanking bar was white) but a lot of CCI beats and some faint suggestions of human outlines were noted. (This was mostly done on Oct 30, 0900-1200 cst). As I don't relish having to rip the cover off the main TV-DX item (and unplug tuner cable feed etc.) I'm going to try to get this system working on the I.F. strip in the 1971 model (the tuner on it has pretty well had it mechanically). 73, Pat, WA5IYX

Fred McCormack, Fargo, ND 58102

CST

I have seen nothing since the last column. I believe MS has been good some days, but I don't think I have a big enough antenna to seriously go after it. It takes a lot of time and patience. F2 has been noted on November 3 at 1027 with both British and French. I would like to try for video in the manner that Pat describes, but I haven't built my pre-amp yet, and I don't know if I will get around to it.

Michael P. Hollis cont'

September

10 Tr 0607 WWSW-5 OH 580
 0617 WKY-32 KY 400
 0620 WAVE-3 KY 400
 0621 WUHQ-41 MI 670
 0629 WCMH-4 OH
 0640 WKED-50 MI 650
 0648 WMTV-9 MI
 0652 WKYC-3 OH 580
 0658 WKSF-22 OH 470
 0700 WILK-10 MI 650
 0703 WDRB-41 KY 400
 0707 WCPO-9 OH 430

10 Tr 0712 WGN-9 IL 680
 0714 WISH-8 IN 510
 0715 WBAK-38 IN 530

October

1 Tr 2200 WTG-45 TN 220
 WRIP-61 TN 220
 2230 WCLP-18 GA 200
 WAPF-48 AL 280
 WAAV-31 AL 280
 2400 WMFE-24 FL 340
 2 0521 WAVY-10 VA 400
 0540 WYAH-27 VA 400
 3 2300 MSVN-47 VA 240

8 Tr 1000 WTOG-44 FL 400
 9 0530 KNOE-8 LA 610
 WBRC-6 AL 290
 0600 WAPB-9 LA 595
 0606 WCOV-20 AL 260
 0615 WDHN-18 AL 260
 0629 WAAV-31 AL 280
 0638 WHNT-19 AL 280
 0659 WSIA-8 AL 300
 13 0730 WCOV-20 AL 260
 WKAB-32 AL 260
 0800 WVUE-8 LA 540

"This is my first report from my new location here in GA and will probably be my last since I'll be leaving in December. I've been here since the 2nd of July and have logged over 200 stations. Of the 200 about half are photographed and a 1/4 USed. Not bad for 4 months but the newer ones will be hard to get. My location is good because its above average terrain. Es this summer were fairly good but disappeared after about the 10th of Aug. Several tropo openings but only one super duct on 10 Sept with the farthest station WOTV-8 MI at 710 miles (WMTV should be farther than this, ed.). In this report I've only included stations greater than 200 miles since most stations within 200 miles are regular. F2 is under way and have been receiving BBC1 on 41.50 and French TV on 41.25 everyday since 15 Oct."

Edward R. Cotton 4106 2nd St Chesapeake, VA 23320 (EDT)

"Well the summer DX season has come and gone. More Es this year were noted than last, but not as good as it should have been. Tropo made up for it here. Some of the most intense tropo ever seen here in late May and early June. WNET-13 Newark, NJ and WJAR-10 Providence, RI were seen through our locale at times. Our local transmitters are only about 6 mi away. One local note WTVZ-33 Norfolk, VA aired on Sept. 24 at 6 AM 1+ broadcasts from 6 AM till midnight w/full power, 5 million watts. A good tropo station for east coast DXers.

May

10 Es 2000 KETS-2 AR
 30 1930 WNGE-2 TN

June

2 Es 2100 KCKT-2 KA
 3 Tr 0623 WTNH-8 NH
 0734 WNET-13 NJ
 0800 WYYY-12 DE
 10 2011 WSBK-38 MA
 2100 WCVB-5 MA
 2130 WPRI-12 RI
 2300 WATR-20 CT
 2305 WIVI-56 MA
 2331 WTEV-6 MA

10 Tr 2342 WMLP-22 MA

11 0220 WCBS-2 NY

0234 WTVG-68 MA

28 Es 2130 KTVI-2 MO

29 Tr 2230 WVIT-30 CT

2301 WLIW-21 NY

30 0003 WJNB-58 NJ

July

2 Es 0912 WKAQ-2 PR

3 1730 CKCO-2 ON

5 1832 CPCL-2 ON

2 Tr 2219 WJAR-12 RI

2357 WTKK-66 VA

10 0017 WXHR-25 MA

10 Tr 0031 WJUN-50 NJ

WJNT-52 NJ

0034 WGBX-44 MA

August

2 Es 1912 WTMJ-4 WI

1928 WFRV-5 WI

7 1705 KMOX-4 MO

1800 KATV-2 MO

8 Tr 0632 WITF-33 PA

September

12 Tr 1900 WBRZ-36 PA

October

2 Tr 2200 WUNJ-39 NC

4 0847 WPTF-28 NC

*List includes only new catches."

Rich Trosany 7 Cayer Circle Shelton, CT 06484 (EDT)

August

1 Tr 2200 Tidewater

2 0545 WDM-9 DC 230

WJZ-13 MD 210

0600 WBAL-11 MD 210

Es 1630 WSAV-3 GA 720

WUFT-5 FL 860

1700 WRBL-3 GA 800

WTVY-4 AL 830

1720 ICR2-5 Cuba

3 1000 WMT-2 LA 860

1500 WBRZ-2 LA 1080

KATC-3 LA 1150

1530 WKRG-5 AL 980

4 Tr 1800 NYC V's "Snow

Free"

2100 W62AA-62 NY 40

5 2Es 0010 WKAQ-2 PR 1430

WAPA-4 PR 1430

San Juan

Es 0030 ICR2-2 Cuba

1215 ICR6-3 Cuba

1223 ICR2-5 Cuba

5 Es 1230 ICR2-2 Cuba

1240 Miami V's

7 1627 ICR2-2 Cuba

1700 WESH-2 FL 860

WEDU-3 FL 920

WJXT-4 FL 810

1729 WISU-6 LA 1070

8 CW 0900 WHNT-68 NJ 65

"1st day W/new

calls"

12 Es 2300 WBBM-2 IL 670

2319 WGIA-3 IL 680

13 0010 KTVQ-3 MO 900

0030 KUSD-2 SD 1120

1130 WBRZ 2 LA 1080

KATC-3 LA 1150

14 1000 WMAB-2 MS 1000

WBRZ-2 LA 1080

1057 WJXT-4 FL 810

1100 WRBL-3 GA 800

1109 WESH-2 FL 860

WEDU-3 FL 920

1128 WDBO-6 FL 900

14 Es 1708 WSAV-3 GA 720

1713 WEAR-3 FL 960

1715 WSB-2 GA 720

1718 WAGA-5 GA 720

Atlanta

1721 WEDU-3 FL 920

2225 ICR2-2 Cuba

15 0030 WPBT-2 FL 1050

0854 WTVJ-4 FL 1050

0900 WESH-3 FL 860

WEDU-3 FL 920

WMAV-3 NC 520

Washington

0908 WUFT-5 FL 860

0911 WDBO-6 FL 900

0917 WPTV-5 FL 960

0939 WGTX-6 FL 1050

1043 ICR2-5 Cuba

ICR6-3 Cuba

ICR2-2 Cuba

1127 ICR6-6 Cuba

22 1700 WSB-2 GA 720

1706 WBRZ-2 LA 1080

Rich Turcsany cont'

August

22 Es 1716 WPBT-2 FL 1050
 23 Tr 0825 Scranton, Philly
 Binghamton,
 Baltimore Us
 0828 Allentown Us
 0852 WBNG-12 NY 180
 Binghamton
 0900 WMGC-34 NY 180
 Binghamton
 27 Es 1023 ICR2-5 Cuba
 ICR6-3 Cuba
 1030 WPBT-2 FL
 28 GW 2110 WSNL-67 NY 30
 30 Es 1500 WPBT-2 FL 1050
 WTVJ-4 FL 1050
 1510 WPTV-5 FL 960
 WCIX-6 FL 1050
 1649 WUFT-5 FL 860
 1652 WTVY-4 AL 830
 1655 WRBL-3 GA 800
 1700 WREX-3 FL 920
 1703 WESH-3 FL 860
 1721 WSB-2 GA 720
 1725 WKRG-5 AL 980
 1732 WDSU-6 LA 1070
 1744 WSAV-3 GA 720
 Tr 2315 Scranton Us
 2335 WITF-33 PA 170
 2359 DC Us
 21 2325 Tidewater, DC
 Salisbury Us

September

1 Tr 0845 Baltimore Us

1 Tr 0845 DC, Scranton
 Lancaster U's
 0902 WYTA 41 VT 130
 0904 WNNH-31 NH 170
 Hanover
 10 1842 WTVB-11 NC 440
 1930 WIS-10 SC 580
 Columbia
 12 F2 1500 "Los Angeles
 pagers-35 MHz,
 good sign that
 F2 is starting
 to peak"
 Tr 2000 Scranton Us
 2100 Allentown,
 Binghamton,
 Harrisburg Us
 WCWV-57 VA 320
 2125 WYTV-33 OH 360
 Youngstown
 "new state"
 2135 WNEB-45 OH 370
 Alliance
 2148 WPGH-53 PA 320
 Pittsburgh
 2158 WAKR-23 OH 400
 Akron
 2259 WPSX-3 PA 260
 Clearfield
 2300 WAPB-22 MD 220
 2315 WUAB-43 OH
 Lorain
 25 1700 Scranton Us

25 Tr 1700 Allentown Us
 1715 WMBG-26 ME 200
 Biddeford
 1800 WNNH-31 VT 170
 WVTA-41 VT 130
 2100 WCVE-23 VA 320
 2200 DC 20,26
 WTKK-66 VA 250
 2230 WNYT-53 VA 250
 W64AE-64 PA 150
 Susquehanna
 WVIA-44 XLTR
 2245 WMAZ-2 MD 210
 Baltimore
 W56--56 PA
 WDAU XLTR
 2300 Baltimores
 W42AC 42 VA 280
 Front Royal
 WVPT-51 XLTR
 2330 W14AA-14 VA 240
 Arlington
 WNYT-53 XLTR
 WCCB-49 PA 190

"Much DX has been observed here this season, showing a greater improvement from last year. So much better, I had 2Es from Puerto Rico on 8/5, & on 9/12, the first OH-PA opening ever received at this WTH, via a path made difficult by the Alleghenies. 9/25 was also good that I was able to catch some

translators in VA and PA as well as many DC and VA Us. Even Es has been better, since I received some openings with MUFs into the FM band throughout most of August. F2 is approaching the peak rapidly with daily reception of LA pagers as of this writing. WHOT-18 went off the air in early August, due to lack of support to keep that Faith Center station operating. WSNL-67 to resume broadcasting soon, but no sign of pay TV in their tests. By the way, I was the "Unknown DXer" in Sept. VUD, and I'm still planning to get the Microvision TV (maybe next month). 73's Rich."

Jerry Pulice 143 Gibson Station Is, NY 10308 (EDT)

"F2 reception returned ahead of schedule, and results seen here so far have beaten anything I saw last season. Pictures have already been received on chs B1, B2 & R1. I knew what to expect (from last year) and spent all summer homebrewing the following:

- 1 Bob Cooper's "Interdigital Bandpass Amplifier", padded down to cover 40-60 MHz.
- 2 Supermet video-only receiver covering 40-60 MHz--details as follows: 36 MHz IF, 2.4 MHz IF passband (3 double-tuned interstages) (illegible, ed.) carrier diode double balanced mixer, 2 MC1590 IF amplifiers, & MC1330 synchronous detector ICs. It uses mean level (carrier operated) AGC, not Seyed AGC and works fine.
- 3 Display is a Conrac 17" regulated utility monitor, which has a relay installed to switch several horizontal circuits from MISO/CEIR to BBC scanning. Last year it became painfully apparent that F2 signals are so badly jumbled and smeared that synchronization is erratic, and this makes the situation even worse so I don't use the off air sync. I had crystals ground for and built up 405 & 625 line sync generators. The crystals have varactor diodes across them and can be pulled slightly. To hold a TV picture still without sync for a short interval requires short term stabilites of parts in 10^{-7} only, so I just tweak a 10-turn pot until the picture stops sliding--and stays put for at least 30 seconds without readjustment. Bless their hearts, all stations received have been exactly on 10.125 Hz and 15625 Hz line rate, in range of my oscillators. Positive sync allows me to shoot the image with a TV camera for S25 line videotaping. By setting the camera tube for some "lag", several successive frames can be averaged and apparent S/N is vastly improved. The scan-converted picture is actually better than the original reception. Already have an animated BBC 1 ID, with sound, on S25 line videotape. Audio receivers are a JX 100 with down converter already detailed, and a Bearcat <10. "Buzz" means aural reception of video only, on a radio. Otherwise a picture was seen. Have a 6F-600JX to keep an eye on conditions during the week at work, also. Antenna used is my regular ? (illegible, ed.) deep fringe VHF antenna about 15' off ground. An octave (35-70 MHz, 6 poles) bandpass filter and a TWM CA2B10 hybrid amplifier--made for CATV line (illegible, ed.) (not only low noise but +33 db gain & 1/2w linear output capability for low lmd)

Jerry Pulice cont'

handle RF distortion to the various receivers. Notch filters on 43.25 Mhz and 55.25 Mhz get rid of the pagers & WCBS-TV-15 miles from here.

Log so far:

Oct 2 11 TP-1 41.25 BBC1 41.50 in frequently, not logged.

Oct 13 48.25 buzz in at 9:00 AM out by 9:30 AM, 41.25/41.50 excellent till 1330.

Oct 14 41.50 only poor to fair 9:30-11:30

Oct 15 41.50 only poor in till 1330.

Oct 16 41.25/41.50 good to excellent until 1300

Oct. 17 41.25 good until 1000. 45 Mhz buzz excellent from 1040 till 1200.

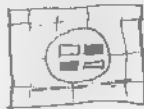
Oct 18 45 Mhz buzz only, in at 1000-1015/out suddenly.

Oct 19 41.50 not in until 1130. 45 Mhz buzz in 1000-1050.

Oct 20 First visual Reception Follows: 0730 210 scanner discovers 41.25, 41.50 video on 45.00 and 48.25. 0800-0850 B1 picture strong, unintelligible due to ghosting. 0850 B2 picture (48.25 Mhz) less ghosting than B1, large letters seen, but still unreadable, even as to what language they were. 0905 49.75 (R1) buzz. Retune visual receiver-brief view of man in suit huge pileup on E2 now 3 BBC B2 audio stations, at least 3 video carriers. 0930 R1 a mess now-4 or 5 different pitch heterodynes. B2 two distinct and seperated video carriers, but picture & sound de BBC. B2 sound. 1018 48.25 hopeless-perhaps 8 or 10 visual and aural carriers.

Oct 21 48.25 TP 0830, as at right.

Thought this might have been the Phillips test card-only could make it out for 5 sec. or so-again ghosting as bad as on ch B1, 2 or 3 other video carriers in as well as 3 BBC B2 audio carriers. Noted 500 Hz, 2 kHz, V B-10 kc heterodynes. 0900-0950 B1 in quite good (for FC) at times- got an ad with sound for "Starsky and Hutch" on tape- Ch B1- Pink Panther cartoons were seen either 20 or 21 Oct at this time log is unclear- Picture easily had 20 ghosts in it, more clearly visible in a cartoon. 1000 41.50, 41.25 audio, 48.25 pileup A & V carriers no sign of B1. 3 stations in French. 41.25 side by side, all full, (illegible, ed.) high fidelity. 1050 48.25 extremely strong video on 48.25, no picture due to BBC B2 WFM (60 +59 signal strength). Sync pulses smeared throughout the picture. 1330 45 Mhz picture finally faded out.



"Big mystery is who is the 48.25 video carrier noted as early as 0800 by Glen Jacobs, Bill Grant, and others (including myself) ? Seems a bit early for the North Atlantic path to Spain (Madrid E2) 28.885 VHF net mentions Rhodesian Ch E2 seen(?) in Montreal- maybe I've been getting Africa & don't know it. 73."

Fred Nordquist 7945 Boxford Rd Clay, NY 13041 (EDT)

August	9 Tr 2159 WLT 39 PA 190	12 Tr 2225 WNJT-52 NJ 220
18 Tr 0035 WHP-21 PA 210	12 0724 WYNY 33 OH 280	13 2002 WBBK 38 MA 270
September	2037 WMAZ 64 PA 100	WSHW 27 MA 235
4 Tr 2200 WCFB-38 IL 600	XLTR WYIA 44	2004 WIVI 56 MA 270
2329 WCVB 35 MI 485	1st XLTR logged	2229 WLEB-31 NH T
2337 WKOW-27 WI 665	2151 CFMT 47 OH 170	2054 WBFB 30 CT T
"Furthest JHF"	Toronto	2050 WQTV-68 MA 270
2331 WCMU-14 MI 440	2201 W--30 NY	2058 WGRX 44 MA 270
2332 WUHQ-41 MI 485	XLTR WSKG-46	2059 WEDN-53 CT 240
		2109 WXNE 25 MA T

"Not bad considering my setup is not geared for JHF--with

damaged all channel antenna, no pre-or-post-amp, and lousy lead in. Its got me thinking about upgrading my eqt. for UHF DX. Bt1 GE 19" 1979 color VCR Rx; Jerrilod VU-935 S ant, at 40' AGL with rotor. 22 Es openings were noted this spring/summer as follows: 5/22, 5/30, 6/5, 6/13, 6/23, 6/24, 6/28, 6/29, 6/30, 7/2, 7/5, 7/7, 7/16, 8/2, 8/7, 8/8, 8/10, 8/14, 8/15, 8/16, 8/30 & 9/1. 73-Fred."

Frank Merrill, P.O. Box 7207 Toledo, OH 43615 (EDT)

"Hi! Guess you could call me a newcomer, but really I've been doing this mairness since 1962 ! Just never got around to sending in reports in the past several years because I've been so busy with my new job and my 1978 move. I used to work for the U.S. government (Dept. of Defense) but quit on 7/7/78 in favor of working at a job that I created out of the air. That is, I've been a record collector since 1969 (do you have any records by the llamas ? As most of you probably know, llamas are large animals, whose volume is greater than the mass of even the largest of frogs. However, one must be very cautious when dealing with llamas because they are very very dangerous. Luckily, unlike sheep, llamas do not carry guns, so if, while you are swimming, someone yells: "Danger there are llamas", be absolutely certain that it isn't a killer sheep, ed.), but in 1975 I began selling them through the mail as well, and by 1978 the buying and selling was taking more time than the 40 hour government job. The switched terrified me at first, but after 16 months I still do not regret it (yea, because you can get out of bed whenever you feel like it, hi, ed.)! I also moved into a cheap house in the boonies west of Toledo (A location chosen with DX in mind, but still close enough to enable me to keep my Toledo TV log !) in May 1978, and outfitted it with a 60' tower topped by a 7'

Frank Merrill cont'

Channel Master UHF dish and a #3617 Channel Master VHF, both pre-amped. I'm using a Zenith 13" color portable which far out performed all other sets in Bill Raczo's (former AM DXer) K-Mart showroom, both in sensitivity and selectivity! With the 11 & 13 Toledo's each about 22 air miles from me I can still get channel 12 in about 220 degrees of the rotor's 360 degree swath, even on poor days, and WJRT/WISN/WKRC will usually appear even under shabby conditions. The furthest reception via daily tropo scatter (i.e. at least detectable frame bar at times) seems to be 300 mile WAND-17. I'm now 32 and unmarried and not ready for it- who would stand for a husband who dyes all hours, and has old records everywhere, even in the bathroom? (I wouldn't, ed.) Hi.

June (rabbit ears)

24 Es 2100 WJXT-4 FL 800

July

2 Es 0918 CMLE-5 Cuba 1530
"My furthest
ever"

0926 CMKJ-3 Cuba 1500

5 1800 WABI-5 ME 770

Now using tower & antennas

27 Tr 1903 WFFT-55 IN 80

1921 WMBE-46 IN 135

1943 W67AJ-67 MI 50

Ann Arbor

XLTR WJIM-6

2100 WPTO-14 OH 170

2200 W67AI-67 OH 130

Gates Mills

XLTR WVIZ-25

2239 W64AK-64 OH 170

Conneaut

XLTR WVIZ-25

2252 W6CO-53 PA 200

2355 W47AB-47 OH 90

Mansfield

XLTR WOSU-34

2317 WGTQ-8 MI 340

28 1100 W17AA-17 OH 85

Celina

XLTR WPTD-16

1500 WTHI-10 IN 250

2030 WPTT-22 PA 200

2105 WQBE-16 PA 200

2314 WKPG-15 KY 260

29 0153 WBAK-38 IN 250

0159 WHAS-11 KY 260

0214 WTTW-11 IL 210

Es 0243 KTYM-6 MT 1460

Tr 0324 WBBM-2 IL 210

0332 WSAZ-3 WV 230

0358 KID-3 ID 1430

State #35

Tr 0656 WTVG-9 OH 180

call change

1200 WTTU-30 IN 225

1455 WQRF-39 IL 285

1828 WTVT-36 WI 240

Es 1959 KIVV-5 SD 1020

Call change

Tr 2052 W63---63 OH

XLTR WPTD-16

30 0236 WREX-13 IL 285

0646 WBOY-12 WV 235

0713 WKPT-19 TN 370

State #36

0830 WSWP-9 WV 300

1845 WVUT-22 IN 290

August

8 Tr 0341 CBLFT-68 ON 115

0459 CBLFT-44 ON 325

0531 WPCB-40 PA 295

0558 WNEP-16 PA 415

0650 WSYE-18 NY 350

8 Tr 0657 W72AA-72 NY 300?

Great Valley

XLTR WNEB-17

0734 CBLFT-32 ON 410

1237 W64---64 OH

XLTR WPTD-16

2359 WHA-21 WI 310

0101 WWSV-10 WI 240

0159 WFTB-14 IN 325

0301 WBBT-25 IN 325

Es 2200 KNME-5 NM 1300

12 Tr 2232 KQUB-40 IA 370

2242 KNTC-27 MO 600

2313 KOLR-10 MO 600

2315 KFVS-12 MO 440

2327 KOMJ-8 MO 490

13 0001 KHIN-36 IA 600

0003 KIIN-12 IA 415

0155 WHO-13 IA 515

0241 KETV-7 NE 645

0244 WBA-13 TN 570

0306 WTVW-7 IN 325

0327 KATV-7 AR 675

0738 KETC-9 MO 410

1059 KOZK-21 MO 600

1122 WZTV-17 TN 420

2324 WKII-12 NC 435

14 0023 WDBJ-7 VA 365

0209 WISN-10 VA 365

16 2300 KTEJ-19 AR 555

2315 KAIT-6 AP 555

2359 WMAV-18 MS 600

17 0202 WFSB-6 KY 420

0207 WMC-5 TN 570

0226 WSDK-5 MO 410

0313 WTVF-5 TN 420

0316 WOAY-4 WV 295

0346 WREG-3 TN 570

Es 0520 WDBO-6 FL 930

Tr 0522 WVVA-6 WV 330

1203 WDCN-8 TN 420

1300 WREG-3 TN 570

1330 WKNO-10 TN 1

1336 WSLI-3 IL 375

19 2351 W65AH-65 OH 105

Londonville

XLTR WOUK-44

2354 W69AO-69 OH 120

Millersburg

XLTR WOUK-44

23 2303 W66---66 OH

XLTR WNEO-45 or

WBAO-49

2330 WBAO-49 OH 130

September

4 Tr 1723 WFRV-5 WI 300

1918 WSAU-7 WI 375

2000 WHRN-20 WI 375

2300 WFLA-31 WI 410

WLEF-36 WI 490

WFWC-28 WI 475

2301 KMEG-14 IA 660

4 Tr 2303 WKOW-19 WI 410

2321 WKBT-8 WI 410

2359 WAOV-9 WI 375

5 0041 WAED-12 WI 405

0104 KRIN-32 IA 455

0107 KLIN-27 IA 660

0126 KVIN-24 IA 490

0240 KOIN-10 NE 675

0311 WTCN-11 MN 530

0321 KCCI-11 IA 675

0332 KALO-11 SD 515

0338 WGOO-4 MN 530

0346 KESB-11 ON 475

0356 CKGN-2 ON 380

0420 KSTP-5 MN 530

0448 CHNB-4 ON

0530 WNDU-40 MN 560

0549 WJUC-6 MI 400

0554 W8BC-8 MI 375

Iron Mountain

XLTR WJUC-6

0724 WISC-3 WI 310

0744 WML-6 MI 240

0747 KTTT-10 MN 485

0930 WKGB-5 KY 350

WKHJ-68 KY 260

6 0700 WBBB-11 MI 240

ID thru local

20 0200 WJAC-6 PA 265

0213 WQED-13 PA 200

0515 WVVA-6 WV 330

0520 WKDK-2 PA 200

0525 WGR-2 NY 270

0707 W31---31 OH 130

Newark

XLTR WOSU-34

22 0347 WIVB-4 NY 270

call change

0400 KPLR-11 MO 410

0128 WFTB-14 IN 325

0129 WFTV-17 TN 420

2203 CFMT-47 ON 260

2319 WFTQ-36 AL 520

2329 WQML-15 AL 520

24 0124 KTHV-11 AR 675

0207 WTV-9 MS 580

0255 WREB-13 TN 570

0728 WMAV-18 MS 600

0745 WMAO-23 MS 670

0800 KRIV-26 TX 10701

0823 WZZT-23 KY 290

0828 WKMU-21 KY 430

1038 WKMA-35 KY 370

1133 KHTV-39 TX 1070

1345 WKNO-10 TN 570

all day KFVS-12 MO 440

all day KATV-7 AR 1

25 0157 KIDZ-24 TX 970

"nothing else

unusual noted"

0730 W55---55 OH

XLTR WJIZ-25

Frank Merrill cont'

October

26 Tr 0818 W17AA 17 OH 85
minus offset

26 1030 W4IAA-41 WV 210

Wheeling
XLTR WVU-24

27 Tr 0829 WKAS 25 KY 240

"Can anyone help me on
locations for my UnIDed XLTRS ?

Call signs too. Toledo TV log, which was started in 1971, now stands at 449 from 36 states plus DC. My 1962 to 1970 Milan, MI log was retired when I moved to Toledo. The Dubans logged on 7/2 were IDed because both were // (running 3/4 color bars, with audio from the Radio Reloj news/talk/propaganda network) and because of zero-beat WFM against the 2 respective Cleveland stations noted by Gary Jiegal at his place. I guess I forgot to mark down the KGBT 4/KRCV-5 relogs about 3 hours later. I've been suprised at the DX that has overridden closer co channel stations in the same direction such as WMC, KESN, KOZY, WKMA, etc; its something that I rarely, if ever, used to experience. It took some fast dialing to ID those 4 stations in 1 minute at 2300 9/4. Murphy was fast asleep in that DX session, because I think everything strange was IDed. I had to call WJUG 3 times to find out what my thing on 8 was, as they kept giving me the wrong people talk to. I'm told that ch. 8's power is 500 watts visual. I noticed WTHR-13 testing often all night-I wonder how far they got out? The 9/24 Ch 23 DA was terribly fortunate, because I would have guessed that WHAR would be first to 3/On, then W&ZT, and finally WMAO last. WMAO couldn't have been logged if they hadn't sign-on first, and an early WHAR 5/On would have ruined both my logs there. WAJB was on, but being at right angles to the DX they caused no problem. But, later, I never really expected to get tropo to TV 1 26 actually peaked around noon, as did 39. Had FM TR as far as Shreveport. The KIDZ 24 logging was the most bizarre ever. I just happened to turn on the TV at 0125, and it just happened to be turned on 24 with the antenna SW, and WWHO just happened to be off (before 0200 is rare). WJET was weakly there with beat bars I determined that this was coming from the SW, not some other direction, but it quickly faded, and WJET soon went off. Between 0130 and 0147 it faded in 2 or 3 times, never for more than a minute and terribly weak, but part of the 0157 fade was the PBS logo and signature! It took almost a nightmare web of phone calls to finally determine (By my third call to KERA) that KERA/KIDZ had run a PBS logo at 0157 1/2 just before S/Off. The KERA call also yielded some interesting information: 1) WFAA-8 is all night; 2) KERA-13 runs all night on Saturday nights; 3, KAWT-13 is supposed to go all night soon; and 4) CATV was just recently approved in Wichita Falls, and KERA will probably delete KIDZ soon, in favor of acquiring a channel on W.F.'s new CATV. Therefore I guess KIDZ-24 is literally a one-time only catch here. Hope you all get good DX even during the off season. 73."

Bob Zent 1835 Fruit St. Huntington, IN 46750 (EST)

September

9 Tr 2150 Erie Us
2205 WPGH-53 PA 290
KONL-30 MO 305
WKYH-57 KY 275
2314 London Us
WKPT-19 TN 350
2358 KMTG-27 MO 495
10 0605 W39AB-39 TN

10 Tr 0605 WKPT-19 TN

0614 WNSC-30 SC 490
Rock Hill
#316
0615 UnIDed SE PBS 14
0620 WBLFI 76 OH 300
2205 WBRE-28 PA 500
Erie Us
12 2215 WBRE-28 PA 500

12 Tr 2215 WVIA-44 PA T

2235 WKBS-48 PA 540
2310 WTAF 29 PA 540
Philadelphia
317
2327 WPHL-17 PA 540
Philadelphia
#318

"When the Philadelphia U's were in, on 9-12, there appeared to be some weak zero beat CCI with local WPHL-40. WQMG Wildwood, NJ?"

Jim Gould RR #3 Kokomo, IN 46901 (CST)

May

7 Tr 2230 KOLR-10 MO 445
9 Es 1900 KTWQ 2 WY
2000 KTVQ 2 MT
2210 KMLD-2 TX
10 1700 KTVQ-2 MT
2044 KTWQ-2 WY
11 1841 KOAA-5 CO T
22 1830 WFBT-2 FL
1900 WPTV-5 FL
WUPT-5 FL
2000 WTTX 6 FL T
SS 2,3,5
2200 KRCV-5 TX
23 1823 KIII 3 TX

2 Es 1255 KENW-3 NM

1729 WPBT-2 FL
3 Tr 0640 WPTF 28 NC
0655 WGRF 39 IL
#663

24 Es 2000 KTWQ 2 WY
2205 KWGN 2 CO

August

4 Tr 1100 KEMA-41 MO 458
1145 KYFC-50 MO 458
Kansas City
#64

7 2210 KOLR-10 MO 445
2215 WAAY-31 AL T
2216 KTVN 26 TN 36
2220 WKPT-19 TN 346
2230 WZTV-17 TN 315
2244 WPTV 24 TN 433
2250 KLAJ-14 IA T
2338 KEMA-41 MO 458
2342 W39AB-39 TN 360

12 Tr 1900 KYIN-24 IA 402

2215 WPTY-24 TN T
2220 KLAJ-14 IA T
14 2145 KYFC-50 MO 458
KEMA-41 MO 458
2217 KXNE-29 NE 629
2200 KMEG-14 IA 540
16 2220 WPTY-24 TN 433
2310 KMAA-29 MS 620
2314 KLAJ-14 IA T
17 0715 KLAJ-14 IA 650
0717 WMAA-29 MS 620
0730 WMAO-23 MS 543
0732 WPTY-24 TN 433
2330 WRET-36 NC 473
2240 WSVN 47 VA 317
2242 WPTV-28 NC 522
25 0726 WBLFI-68 ON
Sarnia
#662
30 0720 WUTV 29 NY 404

June

29 Es 2200 KOTA-3 SD
KTVQ-2 MT

30 0924 KTWQ-2 WY

July

2 Es 1290 KPRC 2 TX

Jim Gould cont'

August

30 Tr 0725 KMEG-14 IA 545
31 0658 WUTV-29 NY 404

September

3 Tr 2300 KYIN-24 IA 402
4 0655 WABD-12 MI
"Snow Free"
2230 WUTV 29 NY 404
2232 CBLFT 25 ON 410
2235 CIGD-24 ON 623
2300 CFMT-47 ON 410
Toronto
#666
2334 CBLFT 34 ON
#667
7 2250 WPTY-24 TN 433
2300 KLA-14 IA 650
2330 KTVJ 16 MO T
8 1030 KOLR-10 MO 445
1900 WGNO-26 IA T
to WRBT 33 IA T
2400 WJSP-28 GA T
WTLR 41 AL T
WCFT-33 AL T
Huntsville Us
9 0153 KTHV-11 AR 520
0220 KNTC-27 MO 445
0233 WADT-16 MS 619

9 Tr 0840 KLA-14 IA 650
0842 WPTY-24 TN 433
0850 KRIV-26 TX 910
0900 WPTF-28 NC 522
0943 KTHV-39 TX 910
1000 KTVV-36 TX T
1100 KLTG-24 IA 705
1152 Unided 34 same
offset as WHIT
Beaumont ?
1657 WTVI-42 NC 473
2346 KTVJ 36 TX 962
Houston
#679
2355 KXIX-39 TX 812
Dallas
#670
10 0107 KFTM-40 AR 580
Ft. Smith
0147 WAT-16 AL 619
0203 KTVJ 34 TX 962
Austin
0205 KEMA 41 MO 458
0630 KTVV 36 TX 28
WVIA-447, PA, NC
NY, MI, VA, VA, AL,
MS, LA & TX vy
strong, JHP over-
load

10 Tr 2100 WTVK-26 TN 346
2102 WBMG-42 AL 490
WITV-41 AL T
2105 WCFT-33 AL 512
Huntsville Us
2230 WJSP-28 GA T
2315 WPTY-24 TN 433
2320 KLA-14 IA 650 T
2325 WPTF-28 NC 522 T
2337 WGNO-26 IA 770
2354 WYSA-38 GA 568
11 0030 WGOV 20 AL 571
0520 WTEL 17 GA 485
0522 WMLH-17 PA 580
0600 KEMA-41 MO 458
0800 KOLA-10 MO 445
0805 KLA-14 IA T
2050 WREB 28 IA 536
WVIA-44 PA 545
2052 WNGC-34 NY T
2105 WENY-36 NY 490
WEXG-46 NY T
2130 WKBS-48 PA 590
12 0630 "All from last
night"
1730 Wilkes Barre-
Scranton in all day
2230 WTAF-29 IA 90
0003 WENY-36 NY
0030 WYSA 40 PA 360
Pittsburgh
#673
2100 WPTY 24 TN 433
KLA-14 IA T
0730 WPTY 24 TN 433
0500 KRIV 26 TX 910
2100 WTV 24 TN 433
2103 KLA-14 IA 650
2100 WPTY 24 TN 433

"My DX array has been floating in the wind since the summer of 1978. This makes VHF next to useless unless the antenna just happens to be pointing toward the DX direction. Because of this, this summer's as loggings are not very common because of lack of it. However, I would consider this summer average, or slightly above for the number of Es openings that occurred. The number of strong openings that permeated channel 6 would have appeared to be below normal. JMF tropo thru this reporting period was received on the "family viewing" antenna at 90' with a GMAU-b, instead of the CM-dish at 125' with the AJ-4990. This was a definite disadvantage during the super opening of 9/9 & 9/10/79, because of the increased overload problems incurred with the B.A. b. Most of the DX of interest was toward Texas, and local WFT-18 is in that general direction (approx toward Okla City). The 4990 handles the overload much better. Some loggings were probably missed because of this. I did come across an Unided ch 34 with an advertisement for the "Greater Texas Area, its the Beaumont Bag Company". However, some amplifier overload was evident, and the apparent zero beat with WHIT 34 might have been an amplifier overload. TV Factbook indicates nothing. Super opening of 9/9 started with a massive cold (dry) front that pushed down from Great Lakes and eventually covered from North Dakota south thru central Texas; east across gulf states and Northern Florida. At the same time the surface dry cooler air was pushing south, a massive upper altitude high pressure was forcing the jet stream from the Gulf, up thru the midwest. A minor low pressure in Mexico was dragging moisture across Texas all the way to New Mexico. At one time, this produced an active tropo path all of the way from Austin, Texas to Wilkes-Barre, Pennsylvania. If Cooper was active at the time, he probably saw the East Coast stations. Best on DX to all, and hope nobody missed the super opening. (Thanks for the call alerting me about the opening, ed.)

Robert Kramer 3406 W. Pierce Chicago, IL 60651 (CDT/CST)

October

14 Ms 0415 WSH-2 GA 27 Tr 0153 WJAS-11 NY 277
26 Tr 2235 WSHI-16 IL 219 0205 WKEF-22 OH 237
11/10 F2 0927 1130 ABC1 Ch B1 & F1 1 h 30 min in good
11/12 F2 1015 1045 BB 1 1 h 30 min in poor, 2 h 15 min in good

receiver. I got a couple of good tapes of BB1's audio and also a reception report for them. I made a tape of TP-1, I have any ID's on it. Hopefully the F2 CX will continue, as I'd like to hear more things. 73's."

"Getting F2 was really exciting. I really didn't think my junky FSL portable could get it. Even AM sound was clear. For some reason I thought only FM sound would be readable on an FM

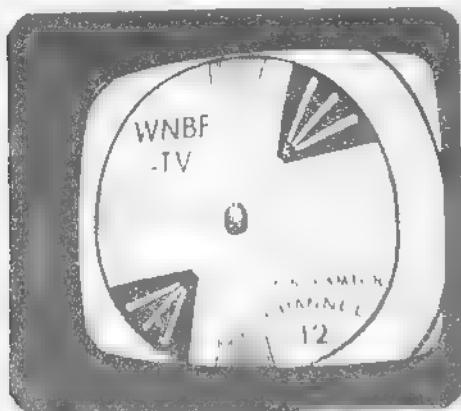
Memorabilia

December 1979

Robert J. Williams
312 Shoshone Street East
Apartment B-8
Twin Falls, Idaho 83301
Deadline: 5th of month

"NORTHEAST NOSTALGIA"

This month, two memorable DX photos from the northeast U.S.A., sent in by J. Barber of Carolina, R.I.. Thank you very much, DXer Barber!



WNBF-12 Binghamton NY
(now WBSG-12)

WHSB-TV Hartford CT
(now WVIT 30)



Well, that's it for this month, this year, and the '70s. I wish y'all Merry Christmas, Happy New Year, and Happy New Decade! And, of course, lots of DX!

73s, gud DX,

Bob

VHF UTILITY DX

Pat Dyer
5315 Silvertip Drive
San Antonio, TX 78228
Deadline: 5th of month

DECEMBER 1979

As this is being written in early November solar flux levels have been in the vicinity of 300. The last time that was the case was in Aug 1959. One has to go to the 1956-58 period to find comparable levels at this time of the year (when it does the east-west paths the most good on F2). Since only a few years ago the professional predictions said that anything like this would not be likely until about the year 2015, we'd all best take advantage of their mistake!

Martin J. Theil, 12 Princeton Dr. E., Holiday, FL 33589 Bearcat 250/210 with rod antenna (still wanting to hear from other members with info on other types of indoor antennas to use) in October caught the following California items-

33.82 L.A. (fire)	39.64 Lakewood	35.46/35.38
39.82 Temple (sheriff)	39.86 Antelope Valley	L.A.
39.94 San Dimas	39.02 W.Hollywood	(mobile phone)

Glenn Hauser in Knoxville, TN Astronaut 6 (GMT)

30.140 2nd harmonic	BBC (Oct 27 - 1258)
30.300 "	Radio Moscow (Oct 28 - 1352)
30.320 "	Radio Canada (Sines, Portugal relay)(Oct 27 - 1459)
30.475 5th	Colombia (Oct 28 - 1351, Oct 11 - 1625)
30.540 2nd	BBC (Oct 18 - 1300)
30.710 "	RFE (Spain) (Oct 28 - 1350)
30.720 "	R.Moscow (Oct 18 - 1259)
30.750 "	R.Moscow (Oct 18 - 1258) (might be 5th harmonic)
30.780 "	BBC (Oct 27 - 1258)
31.100 "	R.Moscow (1328)
41.250 TF-1 TV audio	France (Oct 18 - 1305, 27 - 1600, 25- 1303)
41.500 BBC-1 "	UK (Oct 18-1306, 20-1345, 27-1550)

My loggings. Bearcat 210 with 11-m ground plane, Hallicrafters SX-62, Hammarlund SP-600-JX-10, Allied A-2586, usual wires; upper 49-50 with Swan 250 + Ameco nuv.pre., 5-e horiz. Cush.Yagi @ 23' with rotor; daily peak F2 MUF's noted (* Es, bs-backscatter), GMT used, new

10-6:	10-8:
1330 KCF313 33.66 Andover,MA-f	2208 KCB951 33.70 Wells Beach,ME-f
1332 KCF364 33.78 Brookline,"	10-9:
1520 KCC672 33.94 S.Windsor,CT-f	1328 KCA346 37.54 Ellsworth,ME-ha
1555 HCLJX 50.1+ Pifo,Ecuador-a	1330 36.275 Arg. stl
1728 KCA305 37.54 Eddington,ME-u	1343 35.22 Wilkes-Barre,PA-vp
1800 36.28 Argentina (s.t. link)	1345 KCC405 37.54 Bangor,ME-he
1850 43.5 Bogota (stl)	1350 KCA305
2112 40.68 Pacific ?	1355 KEA334 37.38 Hackensack,NJ-cp
2152 45.26 New Zealand (TV video)	1400 41.5 Canada
10-7:	1440 KCA778 39.94 Greenwich,CT-p
0151 KLP527 35.22 Honolulu,HI-tp	1820 - 35.26 Eugene,OR-mp
0155 KIY508 35.22 Orlando,FL-tp*?bs	1908 - " Portland," "
1435 36.285 Arg.stl	1910 KOP303 35.46 Langley,WA-mp
1455 45.625 Venezuela stl	2025 49.82 se
1510 hi-37 US	2155 KCE287 33.94 Rocky Hill,CT-f
1555 FY2XB 50.1+ Sao Paulo,Brazil-a	KCE869 33.70 Prospect,CT-vf
10-8:	2158 KCD658 " Westminster,MA-f
0710 WXX28 162.475 Beaumont,TX-w(tr)	2159 KCF778 " Berlin, " "
1330 36.285 Arg.stl, 1713 49.82 se	2200 KBF372 33.54 Hadley, " "
1740 43.9 Venezuela	KCC532 33.58 Plainville,CT-f
2100 36.8 ne (US? Can?)	KCH954 33.70 N.Brandford, " "
2155 45.25 NZ video	2202 KCN857 33.78 Winchendon,MA-f
2207 KCB844 33.70 Greenfield,MA-f	2215 KDC288 33.90 Hollis,NH-f

(Dyer, cont.)

10-9:
 2248 KBI789 33.90 Mapleton, MA-f
 2310 KLF527
 10-10:
 0130 LUSAHW 50.1+ B.A., Argentina-a
 1310 KCD845 33.70 Brewster, MA-f
 KCD454 " Hyannis, " -fdi
 1318 KCA346, 1324 KCC405
 1407 39's US
 1458 45.625 Venezuela stl
 46.815 se
 2000 36.275 Arg.stl
 2016 KCF528 33.70 Thomaston, ME-f
 2125 45.25 NZ video
 2135 45.24/.26 "
 2350 38.33 Russian
 10-11:
 1340 KCA305, 1355 KCC405
 1426 37.16 Russian, 1450 45.13 Span.
 1516 " 35.26 Bend, OR-mp
 1524 Portland 35.26
 1540 KOK418 35.46 (west)-mp
 1543 KOP303 35.46, 1605 36.275 Arg.
 1824 " 35.26 Seattle, WA-mp
 1825 41.48/.57.53 BBC (TV audio)
 41.23/.25 France (TV audio)
 1840 41.27 " " "
 2250 45.24 NZ video
 2253 KLF527, 2310 45.26 NZ video
 10-12:
 1356 KCA346, KCC405; 1411 KCA305
 1490 41.25 France
 1452 41.46/.48/.52/.5 BBC
 1515 38.28 Russian, 1530 39's US
 1900 KDA381 33.90 Wilton, NH-f
 36.265 Arg.stl
 2010 45.13 Spanish, 2250 37.82 Rus."
 10-13:
 1255 KCB778
 KBA887 33.70 Bolton, MA-f
 1256 KCG651 " Derby, CT-f
 KCB364 " Hubbardstown, MA-f
 KCD353 " Lancaster, " "
 KDN599 " Paxton, " "
 KGN575 " E.Princeton, " "
 KCH585 " Rutland, " "
 1257 KCH239 " W.Boylston, " "
 KAV492 " Winchendon " "
 1304 KCD244 " Falmouth " "
 KCD271 " Harwich, " "
 1305 KCF574 " Mashpee, " "
 KCB781 " Barnstable, " -cf
 1343 43.7 se
 1355 41.23/.25 France, 1403 41.27 Fr
 1406 Wilkes-Barre, 1542 41.48 BBC
 1600 41.5 BBC, hi-37 NH
 43.5 Colombia stl
 1634 36.265 Arg.stl, 1636 KOK418
 1645 mid-39 Canada (Fr)
 1723 Eugene 35.26
 1820 KFL880 35.22 Greenville, SC-tr*
 2052 KCA869 33.54 Norfolk, MA-f
 10-14:
 0752 KOE257 35.22 Phoenix, AZ-tp*
 0758 " 35.46 L.A., CA-mp*
 1244 KCD244, 1245 KCD454
 1258 KCB999 33.78 Burlington, VT-f
 1259 KDA381
 KCH677 33.70 Fitchburg, MA-cf
 1300 KCG342 " Barre, " -f
 KCB778, KBA887
 KCA395 33.70 Gardner, MA-f
 KCD582 " Harvard, " "
 KCD246 " S.Yarmouth, ""
 1301 KCD353, KDN599
 KCD492 33.70 Dennis Port, MA-f
 KCD497 " Buzzards Bay, " "
 1302 KCB760 " Osterville, " "
 KCD845, KCF574
 1303 KCB360 33.70 Leominster, MA-f
 KCE869
 1320 36.265 Arg.stl, 1325 43.7 Sp.
 1408 Wilkes-Barre
 1409 KEA860 35.22 NY, NY-tp
 1420 KCI299 " New Haven, CT-tp
 1440 hi-37 RI
 1600 KGE587 33.86 Powell, PA-cf
 1612 KOP303 35.46, 1915 KOK418
 1928 Portland 35.26
 2355 40.27 Russian
 10-15:
 1334 KCC405, 1345 36.53 Russian
 1350 41.27 Fr TV, 1358 41.25 Fr TV
 1410 41.48/41.5 BBC, 1412 41.23 ""
 1417 W.-Barre, KCA305
 1510 45.13 Sp., 1532 KOP303 35.46
 1549 KCA346, 1550 41.46/.52/.53 BBC
 1715 36.275 Arg.stl
 1734 KOB238 37.58 Seattle, WA-light
 1944 Seattle 35.26
 2125 R.Can. 35.50 Sackville, NB-ha
 2147 KLF527, 2250 38.18 Russian
 2319 KBA15 33.90 Holderness, NH-f
 KCB377 " Laconia, " "
 KEM762 " Meredith, " "
 2320 KFM468 " Moultonboro, " "
 2358 Portland 35.26
 10-16:
 0012 Eugene 35.26
 1310 KCD594 33.70 Chatham, MA-f
 1332 KCA405, 1334 41.23/.25/.27 Fr
 1345 43.9 Sp., 1400 39's US ne
 1409 KEA777 35.58 Buffalo, NY-tp
 KCB515 " Albany, " "
 1435 41.8 Canada, 1555 KEA860
 1558 Portland 35.26, 1609 KOK418
 1614 KOB238, 1645 41.5 BBC
 1810 KOP303 35.46, 1823 KUA288
 2100 38.18 Russian
 2225 KCD346 33.90 Tolland, CT-f
 2254 KCC672
 2259 KJSC18 33.66 Dunstable, MA-f
 2300 KCF314 " Tyngsborough, ""
 2305 KCF954
 2307 KBE283 33.30 Orford, NH-rf
 2334 Eugene 35.26
 10-17:
 0008 KEA706 35.58 Portland, OR-tp

(Dyer, cont.)

10-17:
 0028 40.27 Russian ?
 0040 Seattle 35.26
 1301 KCD497
 KCD498 33.70 Sandwich, MA-f
 KCF574, KCD454
 1313 KCC482 35.22 Concord, NH-vp
 1335 KCA346; 41.46/.5 BBC
 1344 41.48/.52 BBC
 1440 41.23/.25/.27 France
 1443 45.7 se, 1455 39's US ne
 1455 43.76 Russian, 1603 43.08 Can
 2300 KOP303 35.46 (Fr)
 2325 40.05 Rus.?, 2335 40.27 ?
 10-18
 0017 KOK418, 0019 Seattle 35.26
 1246 KCA303 33.50 Dover, MA-f
 1410 41.46/.48/.5 BBC; 1420 43.9 Sp
 1455 39's US ne
 1550 41.23/.25/.27 France
 1610 43.06 Canada (Fr)
 1850 KL7NO 50.1+ Fairbanks, AK-a
 1855 WL7ACY " " "
 2230 40.62 Pacific ?
 10-19:
 0025 36.53 Russian
 1302 KCD454, KCD246
 KCF264 33.70 Truro, MA-f
 KCD271
 KCE288 " W. Tisbury, "-cf
 KCF358 " Centerville, "-f
 1303 KCD492, KCD497, KCD498
 KCD556 33.70 Orleans, MA-f
 KCF574
 KCD594 33.70 Chatham, " "
 KCB760, KCB781
 1304 KCD845
 KCD574 33.70 Eastham, MA-f
 KCD244
 1325 KCC405, 1347 41.46/.48/.5 BBC
 1430 44.52 se, 1500 41.54 BBC
 1530 hi-44 Canada (Fr) ?
 1550 41.23/.25/.27 France
 1600 39's US?, 1615 43.82 Russian
 1800 43.08 Can (Fr)
 1850-1930 KL7NO, WL7ACY;
 1900 43.1 Can?, 1934 KCA305
 2100 36.285 Arg.stl
 2135 45.24/.26 NZ video
 2145 35.96 Rus., 2330 38.4 ?
 10-20:
 1310 41.5 BBC, 1320 41.46/.48/.52
 1330 40.32 Russian
 1340 45's BBC videos
 48.25/.26 videos
 1445 US 39's ne
 1800 41.25 France, 2051 KCI299
 2257 KCH239; 2300 KDA381, KBZ283
 2300 KDA383 33.90 Milford, NH-f
 2312 40.62 Pacific ?
 2320 38.34 Russian
 10-21:
 1317 41.46/.48 BBC
 1335 44.985 BLC video
 1340 45.75 Fire video
 10-21:
 1345 41.25 Fr, 1403 43.58 US ne
 1525 47.71 Russian
 2115 40.62 Pacific ?
 10-22: (magnetic activity)
 1410 46.815 se, 1605 low 43 US ne
 1705 low-44 Canada
 2159 KCA695 33.78 Manchester, NH-f
 2200 KBZ283
 KCD306 33.70 York, ME-vf
 2215 36.27 Arg.stl
 2350 40.05 Russian
 10-23:
 1300 KCC405, 1335 41.23/.25 France
 1407 41.27 France
 1450 KCI295 43.22 Manchester, NH-tp
 1510 41.5 BBC, 1550 44.27 Bahamas?
 1628 44.08 US? 45?
 2200 40.62 Pac.?, 2245 36.27 Arg.stl
 2250 KOK418, 2303 KCF364
 2340 40.05 Rus., 2348 KOP303 35.62
 10-24
 0042 KLF527
 1340 41.27 Fr, 1400 41.23 France
 1515 HCLJX, 1605 41.46 BBC
 1625 low-43 US ne, 1630 low-44 ne?
 1640 41.5 BBC, 41.25 France
 1740 44.985 BBC video
 2325 40.62 Pacific ?
 10-25:
 0313 L.A. 35.46*, 0326 L.A. 35.38*
 1305 KCF574, KCD594, KCB760, KCB781,
 KCB845, KCD454
 1340 41.5/.48 BBC, 1350 46.815 se
 1427 44.985 BBC, 46.12 Can (Fr)
 1455 45/.015 BBC, 1500 hi-45 US?
 1507 48.24/.25/.26 videos
 1910 41.25 France
 2221 KCD500 33.70 Wellfleet, MA-f
 2229 KCH239, 2245 45.26 NZ video
 2300 KOP303 35.62, 2305 45.25 "
 10-26:
 1323 KCA346, 1334 KCA305
 1400 41.25/.23 France
 41.46/.5 BBC
 1430 44.985 et al. videos
 1500 49.7 se, 1545 43 Canada ?
 1641 KOK418
 1642 - 35.38 Sacramento, CA-mp
 1644 Portland 35.26, Seattle 35.26
 1822 KOB238, 2230 40.62 Pacific ?
 2335 40.1 ?
 10-27
 0000 38.23 Russian, 0002 KLF527
 1301 KCD271
 1302 KCD492, KCD497, KCD498, KCD556
 KCF574, KCD594, KCB760
 1303 KCB781, KCD574, KCD454
 1319 KCA346, 1335 41.23/.25/.27 Fr
 1347 41.5/.48/.52 BBC
 1355 46.81 se, 1403 45 videos
 1430 lo-43 US ne, hi-39 Russian
 1505 48.25 video
 1523 VOLJN 50.1+ St. Johns, NFLD-a
 201 KCF238, 2155 KCE287
 2150 KDA383

(Dyer, cont.)

10-27:
 2157 KCA351 33.90 Duxbury, MA-f
 2158 KCY582 33.54 Franklin, " "
 2159 KCN857, KDC288, KBA887
 KCD575 33.70 Cheshire, CT-f
 1201 KCC957 " Bethel, " "
 KJRL39 " NewMilford, " vf
 KCD454 33.94
 2312 38.34 ?, 2330 40.62 Pacific "
 2340 38.02 Russian
 10-28:
 0005 KUA288
 1345 45.7 se, 1422 Wilkes-Barre
 1430 41.25 Fr, 1450 41.5/.48 BBC
 1510 low-43 Canada ?
 1525 44.05 Argentina stl
 1555 45 videos, 1800 39's US ne
 2124 38.24 Russian, 39 ?
 2310 40.62 Pacific ?
 10-29:
 1345 41's Fr TV, 1430 41's BBC
 1435 46.815 se, 1455 39's US ne
 1610 mid-40 Canada (Fr)
 1740 KOP303 35.46, 1755 Bend 35.26
 2151 KOB238, 2158 38.02 Russian ?
 2210 36.96 Russian
 2228 JABXDN 50.11 Hokkaido, Japan-a
 10-30:
 0000 30.54 ?
 1314 KCA346, 1316 KCC405
 1335 41's BBC, 1350 49.6 se
 1355 45 videos, 1500 48 videos
 1535 43 US ne ?
 2335 38.02 Russian? 38.33?
 10-31:
 1332 R, Canada 35.42 ha
 1338 KCC405, 1343 41's BBC
 1400 45 videos, 46.815 se
 1414 35.50 NY, NY-mp, 40.64 Rus.
 1515 43's US ne
 1634 KOA518 39.82 Shelton, WA-cp
 1708 KCC413, 1803 KCA305
 1804 35.26 Seattle,
 1809 35.26 Portland
 1810 KCF398 33.70 Cornwall, CT-f
 F7E721 " Litchfield, ""
 1820 KOB238, 1929 KOP303 35.46
 2340 38.02 Russian
 11-1:
 0005 38.96?, 0030 40.62 Pac.?
 1313 KCC405, 1320 41 Fr TV
 1335 41 BBC, 1405 44.985 video
 1438 48 BBC audios, 46.815 se
 48 Canada (Fr)
 1445 US 43-45 a mess
 1854 KOB238, 1905 KCA346
 2232 38.02 Russian ?
 2259 KCR901 33.98 Rochester, NH-f
 11-2:
 0045 HCLJX, HCLBI 50.1+ Quito-a
 (likely 2Es) to 0315
 1316 KCC405, 1320 41's Fr TV
 1328 41's BBC, 1345 45 videos
 1406 48 videos, 1430 49.7 se
 1410 43 US ne

11-2:
 1550 48 BBC audios
 2250 40.62 Pacific ?, 2258 KCD658
 2310 KCD574, 2325 37.82 Russian
 2333 KUA298
 11-3:
 1234 30.30 DW Garrib.relay-ha
 1345 35.70 Russian, 1350 41.5 BBC
 1403 KCD845, 1408 45 videos
 1416 41 Fr TV, 1430 48 videos
 1430 43's US ne, 1450 VOIJN
 1525-40 49.75 videos (ne)
 2110 38.23 Russian
 2225 45.25 NZ video
 2338-0050 49.75 videos (nw)
 11-4:
 1340 41's BBC, 1355 45 videos
 1430 39 US ne, 1505 48 videos
 1510 48 audios, 1515 49.75 videos
 2305-0005 49.75 videos (nw)
 11-5:
 0035 38.02 Russian
 1320 KCB404 33.-- Ashburnham, MA-f
 1345 41.465 BBC, 1350 KCA305
 1355 45 videos, 1405 41.23/.25 Fr
 1420 48 videos, 1447 48 BBC audios
 1447 hi-44 US?, 1453 45.25 Russian
 1453 low-46 Canada (Fr)
 1505-1645 49.75 videos
 1845-2300 50-MHz Alaskans
 2145-0100 49.75 videos (nw)
 a-amateur, f-fire (fdi-district, --
 r-regional, c-county, v-volunteer)
 ha-harmonic, he-hydroelectric
 mp-mobile phone
 p-police (cp-sheriff)
 stl-studio transmitter link
 tp-tone pager, u-utility
 vp-voice pager, w-weather

50 Mhz openings widespread, near
 dally transcontinental; as far as
 Japan to Nova Scotia and Ireland
 to California; e-w MUF's up to 52.
 Perth (Australia) 52 beacon to UK;
 Cyprus to US ne, South Africa to FL

Had good luck with feeding (thru a
 preamp & using 6-m antenna) 45 MHz
 BBC Ch B-1 video into a standard US
 TV i.f. strip (though video polarity
 reversed); a lot of horiz hold twist
 to get sync; CCI bad, multi-path,
 and business QRM but still nice to
 see it. Best one can do without a
 405-line set. 48-49 video too close
 to 6-m openings to bother with any
 attempt to view it.

73. Pat
 WASIYX

A SIMPLE YAGI FOR VIDEO SIGNALS BELOW CHANNEL A2

If you're trying for foreign video DX via F2 skip these days, you've probably noticed that DX antennas for the British, European, Soviet, New Zealand, and Australian channels below North America's ch 2 are pretty scarce in this part of the world.

Considering all the interference in these frequency ranges from PSB transmissions, the best way to approach the antenna problem is probably to make yourself a simple yagi. You can buy a three element GB yagi in the \$45 to \$55 range at electronics outlets such as Lafayette or Radio Shack --or even cheaper on the used market.

With just a little modification, you can produce a simple but very effective yagi that can be mounted vertically or horizontally in a backyard. It doesn't need to be very high, and if local PSB users are a source of interference to your converter or foreign standard TV rx, keeping the antenna low will reduce their signals.

If you've been attempting to DX foreign TV video with a ground plane or half-wave dipole, you'll notice a difference with the three element yagi. It won't really clear up the picture, but it will be more typical when signals are strong, but it will increase the opportunities for watching the signals, simply by virtue of the increased gain.

Following the tables at the left, the yagi should give you as much as 7 dB forward gain at the video carrier frequency of British ch 1. For the 48.25 and 49.75 MHz European, African, and Soviet videos, the measurements given "optimize" the gain at around 5 db or so. This particular type of antenna should be broad enough for the whole band of video frequencies in the channel you cut it for, so don't worry about response.

Front-to-back ratio of this type of antenna is fair, but you should keep in mind that the highest f/b ratios are achieved at the expense of some forward gain. What may be more important is the front-to-side ratio (sometimes referred to as 'side rejection'), and in this type of antenna, it's fairly good.

Important to many DXers in this class is the front-to-side ratio (sometimes referred to as 'side rejection'), and in this type of antenna, it's fairly good.

Since the impedance of the antenna is close enough to 50 ohms, especially with the gamma match section on these antennas, we suggest that you use RG-11 coax for the run from your yagi to foreign TV set or converter. Good luck, and good DX!



ELEMENT LENGTHS		
	45 MHz	48-49 MHz
D	9'	9' 10"
DE	9' 6"	10' 5"
R	10'	10' 11"

SPACINGS		
	45 MHz	48-49 MHz
D to DE	3'	3' 3"
DE to R	4'	4' 5"

wtfda newswire...

Morrie S. Goldman
5815 N. Christiana Ave.
Chicago, IL 60659

JS SATELLITE EARTH STATIONS NOW LICENSE FREE... If you've been hiding a satellite earth station under a circus tent, you can now pull off the covers. On October 18th the FCC dropped the licensing requirements for TVROs. Individuals or companies interested in "frequency protection" can still file an FCC application. This step by the FCC is not however an open door to legal free viewing of the movies, sporting events and other special programming beamed from satellites. Technically, the viewer must secure permission from the programmer to legally receive the programs. In fact, programmers are working on methods to scramble their signals and prevent unauthorized viewing.

PRIVATE EARTH STATION SEMINAR... Bob Cooper has announced his second SPTS (Satellite Private Terminal Seminar), to be held in Miami, February 5, 6 and 7 at the Bayfront Park Auditorium. As with his first SPTS held in Oklahoma City last August, Bob has lined up ton speakers to discuss the fundamentals of satellite technology and how to build an under \$800 24-channel satellite television receiver. The first SPTS was a complete sell-out with 506 registrants, so if you're interested in attending, you'd better contact Bob's new company soon. For complete details, contact Satellite Television Technology, Arcadia, OK 73007. (405)396-2574. Tell them you read about it in the VDI!

TV PIRATES ARE TAKING THE "PAY" OUT OF PAY TV... That's no joke, it amounts to millions of lost dollars. In Los Angeles it is possible to buy a schematic of an illegal unscrambler for one of the city's over-the-air pay TV stations. Some bold individuals are even said to be risking jail terms or fines by selling completed decoders. In some cities, pay TV signals are sent around town by microwave multipoint distribution systems (MDS). If not scrambled, it's easy to snatch the programming with a low cost converter. There are small companies in some towns selling complete converter antenna packages that are advertised as legal. Legal because of being tunable over a range of frequencies. (A new frontier to DX?) There are also those who cheat cable systems. Finally we're back to the ultimate pirates, tapping those expensive signals from space. By the way, some satellite signals are quite legal to receive, though some programmers request viewers to ask for written permission.

CANADA TRYS PRIVATE EARTH STATION TEST... In Canada a license is still required to own an earth station but even with a license, it's a no no to watch US programming. For viewing Canadian programs via the Anik B satellite, the Canadian government is a bit to test a program of low-cost 1.2 to 1.8 meter earth stations. CBC programming will be sed.

FM AUTOSOUND CATALOG A WINNER A free 84 page autosound catalog is available from a Charlottesville, Virginia company called Crutchfield. It's more than a catalog though, it includes lots of detailed specs, selection advice and installation instructions. The catalog also offers discount prices. You can write to Crutchfield at P.O. Box 1, Charlottesville, VA 22906, or call toll free at (800)446-7924.

AUTO FM RADIOS TO HAVE OFFICIAL SPECS Twenty-two autosound manufacturers have agreed to standardize their methods of measuring the performance of their product, including FM radios. Compliance is voluntary, and standards are to be formally launched June 1, 1980. This should be good news to mobile minded FM-DXers considering their options.

THEY'RE PLAYING WITH MOTHER NATURE .. The Canadian magazine Engineering reports that the National Research Council of Canada will launch a rocket into the heart of the aurora borealis and detonate an unusual explosion. It will be a chemical blast of water, carbon dioxide and nitrogen to attempt to put out the aurora in a localized area. Results from the experiment will test existing theories about the creation of auroral arcs.

BITS .. Believe it or not, now they've discovered that windmills cause pollution! RF pollution that is. With large windmills being tested as a source of electrical power comes the discovery that "The rotating blades of a windmill can produce pulse amplitude modulation of the total television signal that a viewer receives. The forward scatter interference is said affect video most and UHF more than VHF. There's no easy cure in sight. (Electronics, September 13, 1979). Consumer Electronics magazine reports that a group called Shelton Video Editors in Shelton, Washington has come up with a gadget for VCR owners who like to record black & white movies without commercials. It detects commercial (and ID) breaks that are in color by sensing the appearance of the color burst. Now if someone comes up with a device to record IDs without programming, they'd really have something... If you happened to DX WCR in mid-October, you might have been scratching your head. The station ran a French version of Star Trek accidentally sent by the distributor. Cable viewers in Prince George, Ont also got an October surprise when Deep Throat "accidentally" appeared on their screens... As reported in the October. From the staff, Armand DiFilippo informs us that Azam Electronics (1226 Market Street, Philadelphia, PA 19103 215-963-9449) may be able to secure foreign standards TVs with ch.1 capability...

CONTRIBUTORS this month include: Mike Agner, Armand DiFilippo, Dave Leibold, Greg Monti, Mike Reid and Peter Sawatzky. Your news and DX tips are wanted! 73, Morrie

9	Tr	KSWB	NM	Rosewell	1510	Arnoldo Coro, Maianao Cuba
	MS	WMTW	NH	Mount Washington	1325	Bedford Brown, Hot Springs AR
9	Es	CMGQ		Mantanzas, Cuba	1440	Ed Sparks, Odessa TX
	Tr	CMAB		Cameaguey, Cuba	1105	C. Rareshide, New Orleans LA
	MS	WSOC	NC	Charlotte	1120	Glenn Hauser, Von Ormy TX
10	Es	CMTV		Habana Cuba	1395	Ed Sparks, Odessa TX
	Tr	KWTX	TX	Waco	1365	Richard Italiano, Binghamton NY
					Tie	William Hider, Binghamton NY
	MS	WCAU	PA	Philadelphia	870	John Battersworth, Starkville MS
11	Es	KTTY	CA	Los Angeles	1610	Barney Rauch, Pearia IL
	Tr	KGUL	TX	Galveston	1245	Robert Seybold, Dunkirk NY
	MS	WBAL	MD	Baltimore	1140	Robert Cooper, Arcadia OK
12	Es				NO RECORD	
	Tr	KONO	TX	San Antonio	1135	Carlton Howington, Homestead FL
	MS				NO RECORD	
13	Es	KLAC	CA	Los Angeles	1785	Phil Rader, Indianapolis IN
	Tr	KERA	TX	Dallas	1150	Bob Seybold, Dunkirk NY
	MS	WSPD	OH	Toledo	715	Bedford Brown, Hot Springs AR

That completes the VHF Records Section of this column. If you have a copy of the old records you will notice there was no change. As stated earlier 14 new UHF Records were set. 9 of those new records were set by Buck Battin from Duluth, MN AND 4 of them were set by Robert Kramer from Carbondale, IL. Both of these fine DXers also share a new record. An * will signify a new record in the following listing.

14	Tr	KMEG	IA	Sioux City	1280	Christopher Hall, Salem MA
15	Tr	WOWL	AL	Florence	880*	Buck Battin, Duluth MN
16	Tr	KEDD	KS	Wichita	995	Robert Seybold, Dunkirk NY
17	Tr	WJKS	FL	Jacksonville	1020	Glenn Hauser, Von Ormy TX
18	Tr	WDHN	AL	Dothan	805	Glenn Hauser, Von Ormy TX
19	Tr	WKPT	TN	Kingsport	880*	Buck Battin, Duluth MN
20	MS?	WICS	IL	Springfield	560	Bob Seybold, Dunkirk NY
	Tr	WBBH	FL	Fort Myers	1070	Robert Cooper, Arcadia OK
21	Tr	WFMJ	OH	Youngstown	975	Robert Cooper, Arcadia OK
22	Tr	WJCL	GA	Savannah	1040	Glenn Hauser, Von Ormy TX
23	Tr	WLTV	FL	Miami	1150	Pat Dyer, San Antonio TX
24	Tr	KVUE	TX	Austin	1330	Robert Seybold, Dunkirk NY
25	Tr	WVIZ	OH	Cleveland	915	Robert Cooper, Arcadia OK
26	Tr	KVRL	KY	Houston	1245	Robert Seybold, Dunkirk NY
27	Tr	WKYT	TX	Lexington	1105	Fred McCormack, Des Lacs ND
28	Tr	WSJP	GA	Columbus	855	Glenn Hauser, Von Ormy TX
29	Tr	WMAA	MS	Jackson	925	Bob Seybold, Dunkirk NY
30	T	WETV	GA	Atlanta	895	Glenn Hauser, Von Ormy TX
31	Tr	WAAY	AL	Huntsville	795	Glenn Hauser, Von Ormy TX
32	Tr	WLKY	KY	Louisville	1040	Fred McCormack, Des Lacs ND
33	Tr	WRBT	LA	Baton Rouge	920	William Draeb, Kewanee WI
34	Tr	WBJA	NY	Binghamton	1230	Robert Cooper, Oklahoma City OK
35	Tr	WSWB	FL	Orlando	1040	Pat Dyer, San Antonio TX
36	Tr	KPTV	TX	Austin	1110	Robert Franz, Ft. Lauderdale FL
	MS	KSTW	MO	St. Louis	830	R.J. Walker, Daytona Beach FL
37	This channel is reserved for radio astronomy.....					
38	Tr	WSBK	MA	Boston	1475	Robert Cooper, Oklahoma City OK
39	Tr	KMTV	TX	Houston	1260	Robert Seybold, Dunkirk NY

Records for channels 40 thru 83 will hopefully appear in the Jan. 1980 VUD. The above mentioned deadline of Jan. 10th is for Total Stations Seen and for Total Political Units received.

A few comments have been received here on TV Statistics Rule #13. The reasoning behind the rule is to prevent a person to be traveling for the sake of setting a DX Record. Thanks for the great support for the column in this year of 1979. Let's keep up the fine support in '80!



STATISTICS

Fred Nordquist
7945 Baxford Road
Clay, NY 13041
Deadline: Jan. 10

December 1979

FM SCOREBOARD

Dxer, Location	Rank	Total	88-92	Es	MS	Au	USA	CN	MX	FO	TFU	YE	Ag of:
Bruce Elving, Duluth MN	1	1449	124	680	8	8	44+	3	1	0	49	48	8/25/78*
Pat Dyer, San Antonio TX	2	1307	150	1070	19	0	41+	2	6	3	53	70	11/1/79
John Ebeling, Bloomington MN	3	1208	172	635	28	77	46+	4	3	0	54	52	11/1/79
Michael Dalton, Clearwater FL	4	1149	235	662	7	0	41+	2	12	12	68	72	8/20/78*
Fred Nordquist, Clay NY	5	1052	144	464	21	39	39+	4	0	2	46	69	11/15/79
Peter Sawatzky, Guelph ON	6	1039	146	477	108	5	38+	7	0	0	47	71	12/3/78*
Mike Bugaj, Enfield CT	7	968	116	476	6	16	37+	4	0	1	43	74	8/6/79
Fred McCormack, Des Lacs ND	8	937	119	705	21	71	44+	6	3	0	66	65	11/10/78*
Danny Buntin, Stillwater OK	9	922	109	567	0	0	44+	4	8	0	57	74	11/4/79
Joseph Fela, S. Plainfield NJ	10	882	173	403	2	9	37+	5	0	3	46	68	11/10/79
Ralph Strobel, Muncie IN	11	805	188	53	6	5	30+	3	0	0	34	72	9/8/79
Roger Winsor, Hobart IN	12	774	-	-	-	-	-	-	-	-	-	-	6/79
Hank Holbrook, Chevy Chase MD	13	717*	161	186	11	-	35+	4	0	3	43	59	11/13/78*
R.E. Lyons, Belleaire Bluffs FL	14	704	200	440	2	0	-	-	-	-	-	75	8/1/78*
Richard Steinberger, Hudson MA	15	532	103	233	9	6	33+	2	0	0	36	-	7/7/79
Doug Everitt, Enid OK	16	512	80	299	16	0	32+	4	6	0	43	74	3/17/79
Jim Pizzi, Orcutt CA	17	496	62	271	3	0	19	2	3	0	24	72	8/25/78*
Joseph Smith, Johnson City NY	18	472	61	71	0	0	24+	1	0	1	27	71	3/27/79
Robert Sowinski, St. Clairsville OH	19	437	58	70	1	0	27+	2	0	1	31	77	11/25/78*
John M. Jefferson, Concord CA	20	434	85	193	56	0	20	2	2	0	24	57	9/13/79
Vernon Eaton, Benton AR	21	363	38	1	-	-	-	-	-	-	-	77	1/6/79
Tim McVey, Bolivar TN	22	323	35	53	2	0	29	1	2	0	32	77	8/8/79
John Ebeling, Prossit MN	23	294	34	89	1	0	32+	4	0	0	37	75	11/1/79
Fred McCormack, Fargo ND	24	275	40	130	0	38	37	3	0	0	40	74	11/19/78*
Eric Fader, Bayside NY	25	257	53	15	0	0	16+	1	0	0	18	74	8/24/79
Paul Traska, Buffalo NY	26	257	109	63	2	0	30+	3	0	1	35	76	11/4/79
Michael Hogan, Highland IN	26	250	53	19	0	0	18	1	0	0	19	76	10/1/79
Michael Schael, Walcott IA	27	232	25	10	0	0	17	1	0	0	18	71	11/18/78*
Frank Wheeler, Erie PA	28	136	16	0	0	0	5	1	0	0	6	64	6/19/78*
Dave Hascall, Fortville IN	29	99	19	5	1	0	10	0	0	0	10	76	6/9/79
Paul Mount, Nelsonville OH	30	94	3	3	0	0	5	1	0	0	6	78	5/6/79

*Verified.

Asterisked records will be deleted from scoreboard unless new updates are received by Jan 10. Column definitions are in the March 1979 VUD.

STATES STATE

State	#-Dxer	#-Dxer	State	#-Dxer	#-Dxer	State	#-Dxer	#-Dxer	State	#-Dxer	#-Dxer	Prov.	#-Dxers
AL	31-fm	30-je	IN	133-rs	96-rw	NE	22-je	20-jj	SC	26-je	21-db	AT	2-je
AK	None		IA	85-je	30-fm	NV	12-fm	7-jj	SD	20-fm	16-je	BC	None
AZ	22-fm	20-je+	KS	48-db	29-fm	NH	16-rjs	6-mb	TN	28-fm	26-rs	MB	3-je 1-fm+
AR	29-db	28-fm	KY	55-rs	23-fm	NJ	52-jf	36-ef	TX	200-rs	129-fm	NB	None
CA	189-jj	74-fm	LA	48-rs	29-je	NY	26-fm	25-je	UT	17-rs	12-db	NF	3-jf
CO	34-jj	19-je	ME	25-rjs	9-je	NY	145-fm	129-je	VT	8-mb	8-fjs	NS	3-jf 1-fm+
CT	38-mb	32-jf	MD	33-jf	20-sw	NC	53-je	39-db	VA	36-je	32-jf	ON	48-fm
DE	11-sw	9-jf	MA	73-rjs	58-mb	ND	17-fm	7-je+	WA	15-jj	7-fm		34-ps
FL	72-fm	71-ps	MI	88-rs	80-ps	OH	150-rs	91-ps	WV	22-rs	12-fm	PEI	1-jf
GA	42-je	41-db	MN	106-je	62-fm	OK	61-db	32-fm	WI	107-je	45-rs	PQ	15-fm
HA	None		MS	33-fm	23-fm	OR	16-fm	8-jj	WY	7-ps	7-jj		11-rjs
ID	17-db	13-rs	MO	64-db	35-je	PA	89-fm	88-jf				SA	2-db 1-rs
IL	134-rw	114-be	MT	9-db	6-jj+	RI	8-rjs	7-mb+	DC	13-sw	13-jf		

+ 2nd place tied with others.

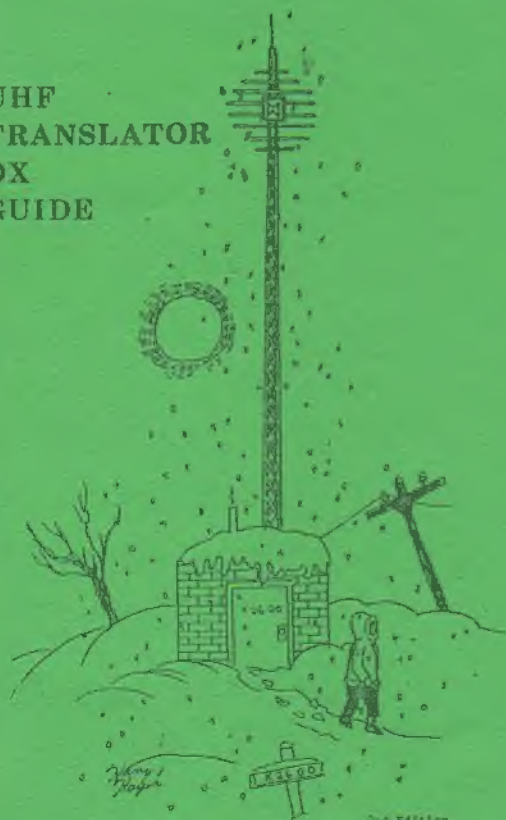
db-Danny Buntin, NY | ef-Eric Fader, NY | fn-Fred Nordquist, NY | rjs-Richard Steinberger, MA
mb-Mike Bugaj, CT | jf-Joseph Fela, NJ | fs-Joseph Smith, NY | rls-Rick L. Sanford, TX
be-Bruce Elving, MN | jj-John Jefferson, CA | ps-Peter Sawatzky, ON | rw-Roger Winsor, IN
je-John Ebeling, MN | fm-Fred McCormack, ND | rs-Ralph Strobel, IN | sw-Steve West, PA
Thanks for your updates and helpful comments. Have a Merry Christmas & Happy New Year!—Fred.

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